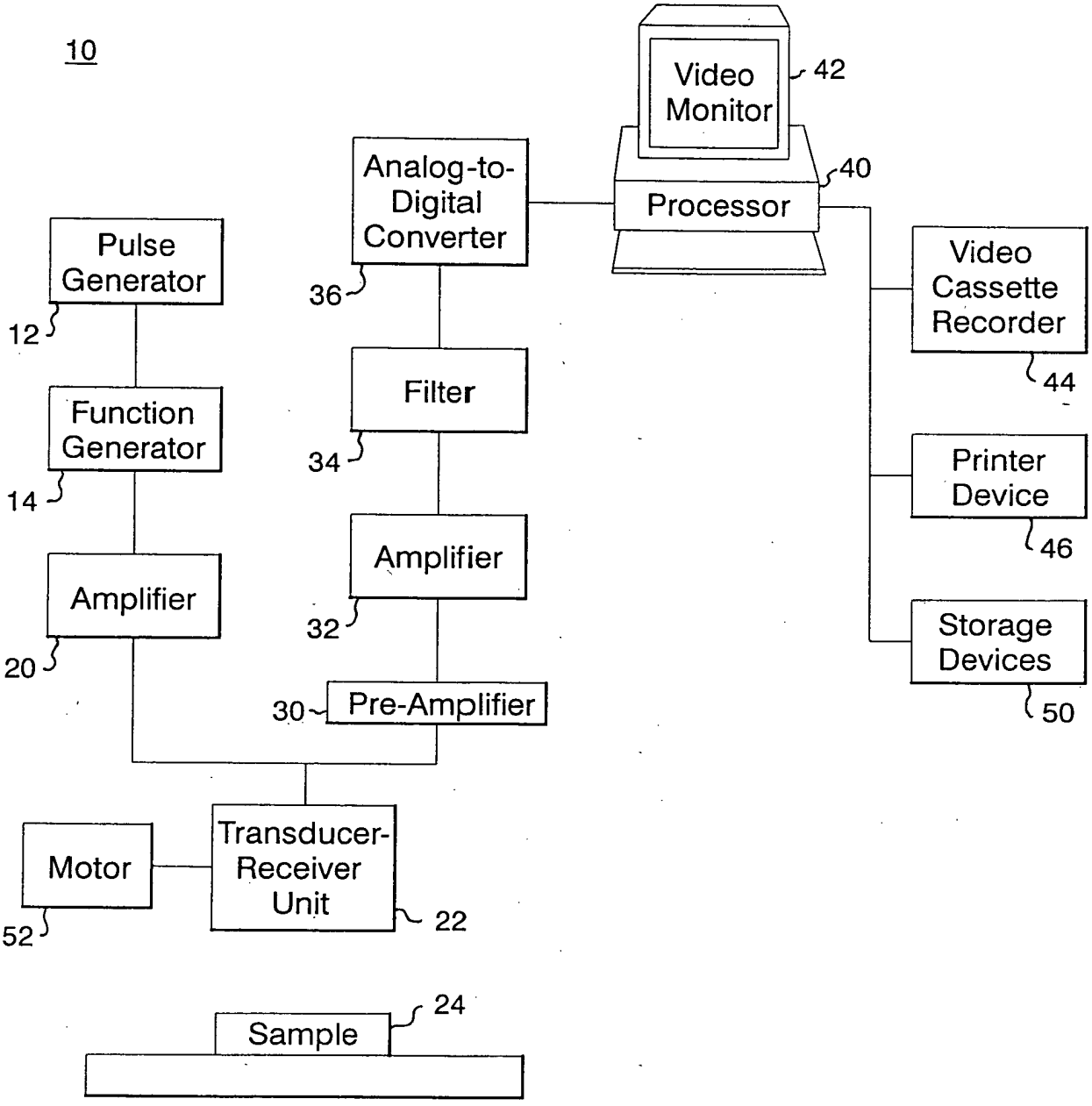

Figure 1

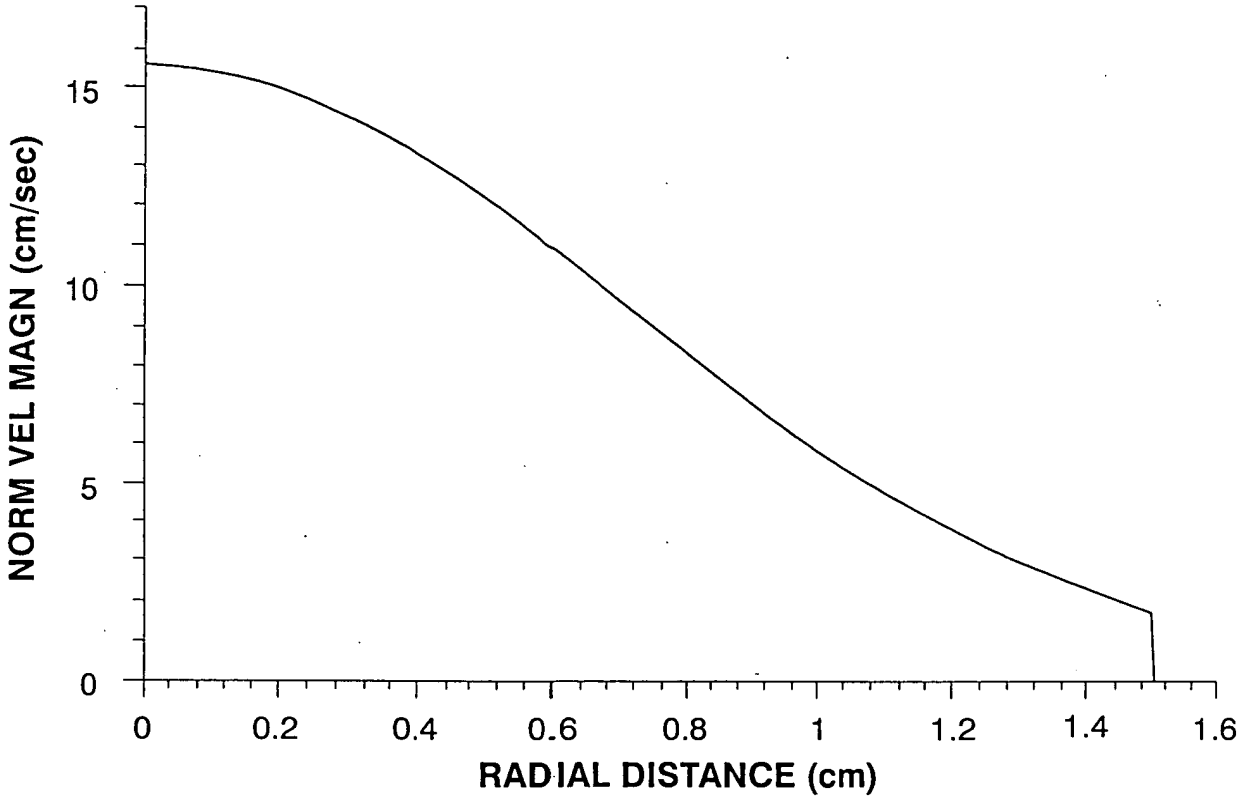

Figure 2a

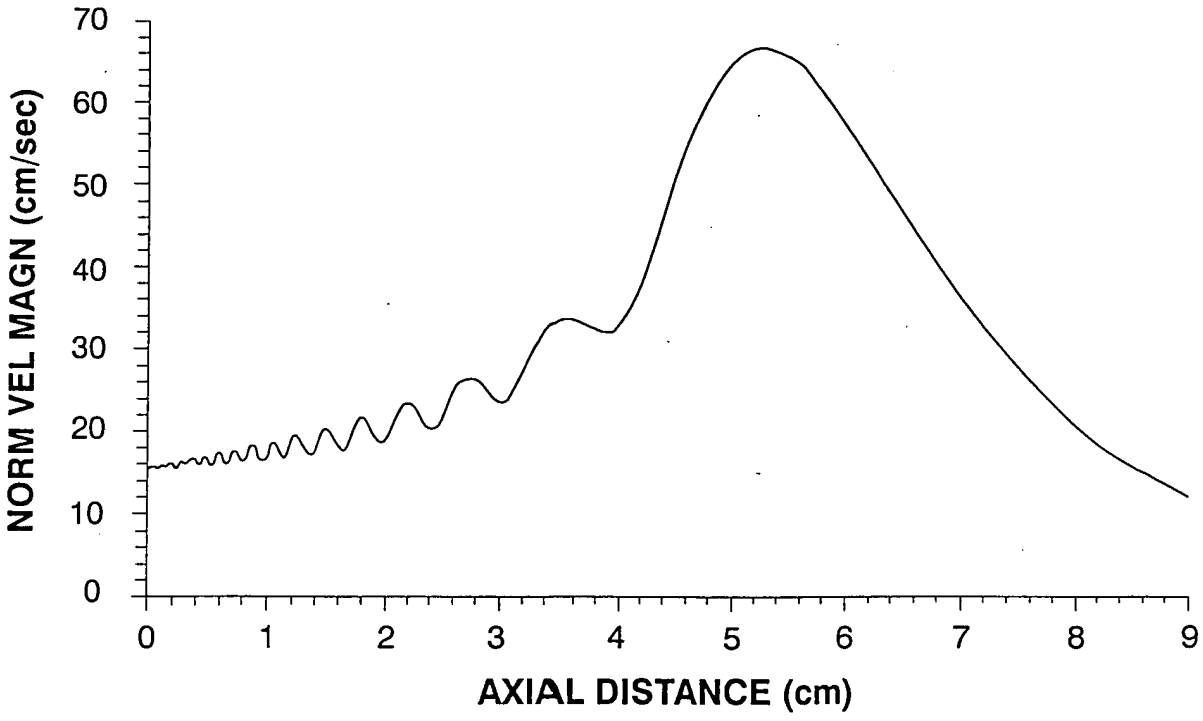

Figure 2b

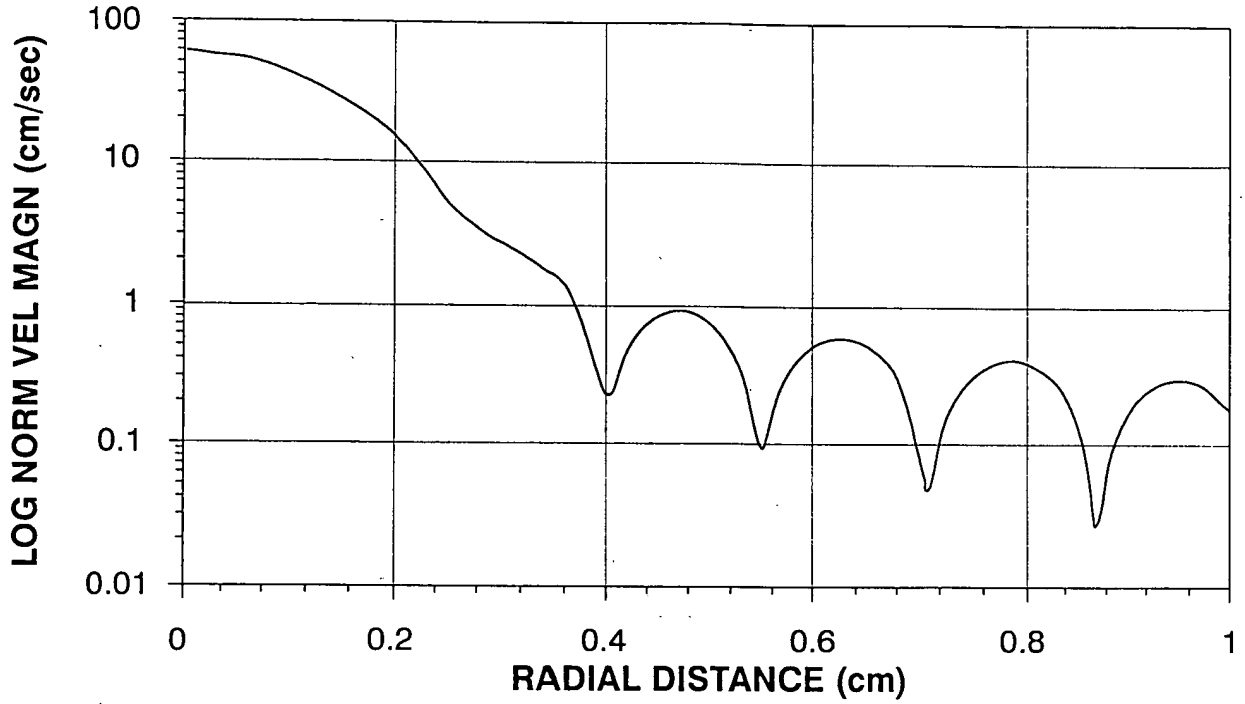

Figure 2c

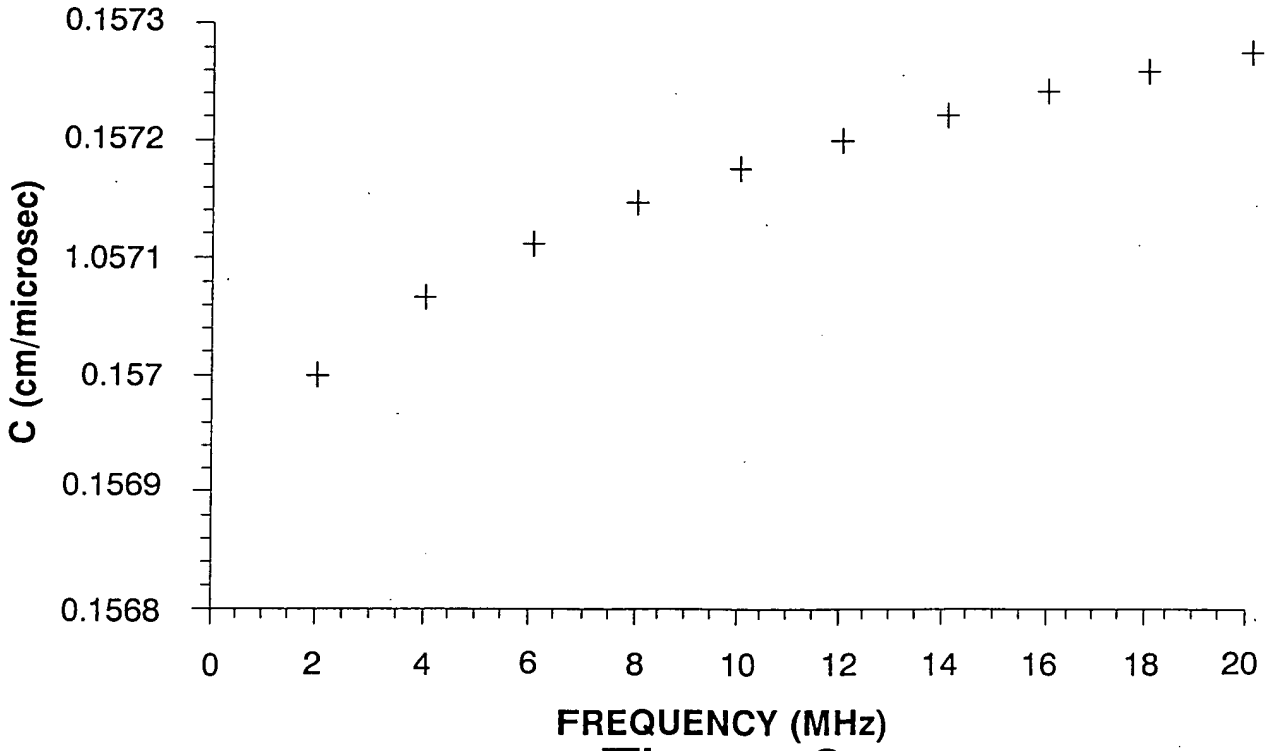

Figure 3

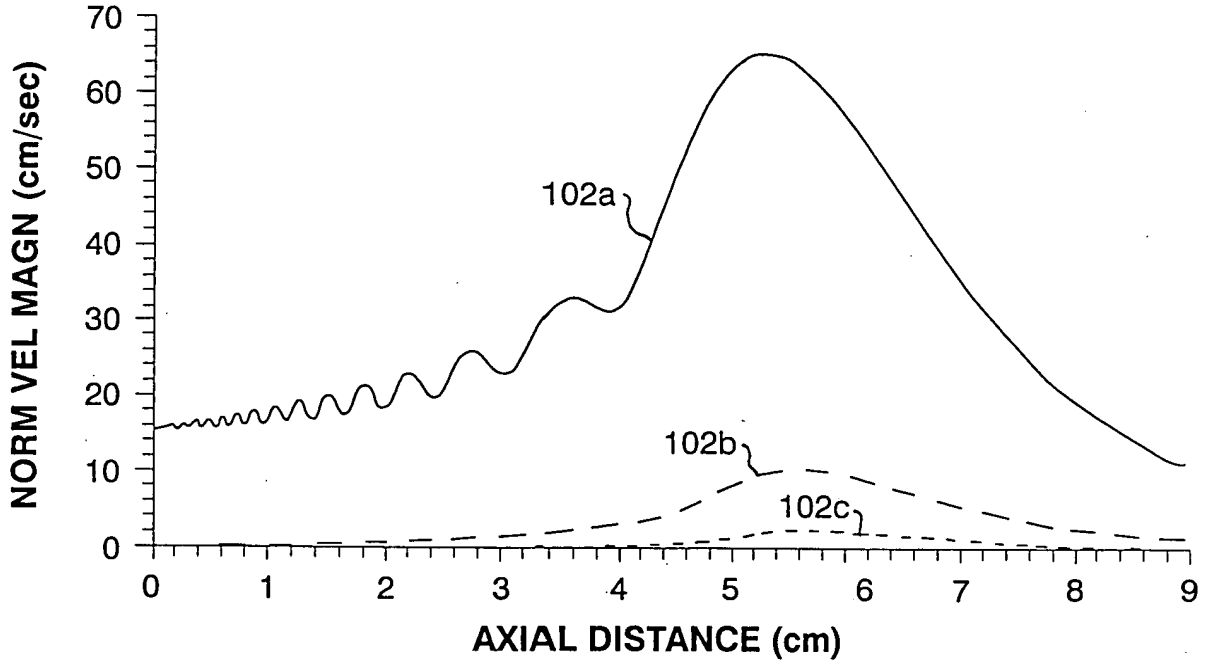

Figure 4a

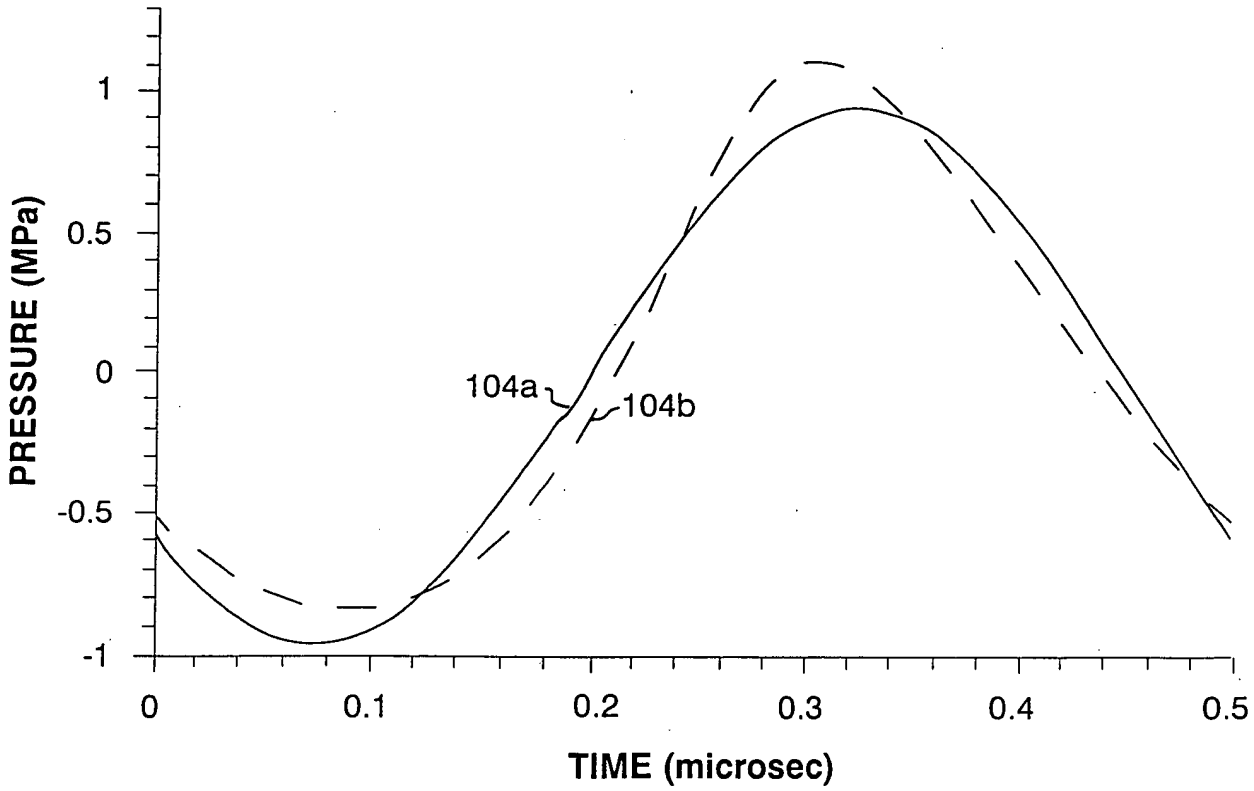

Figure 4b

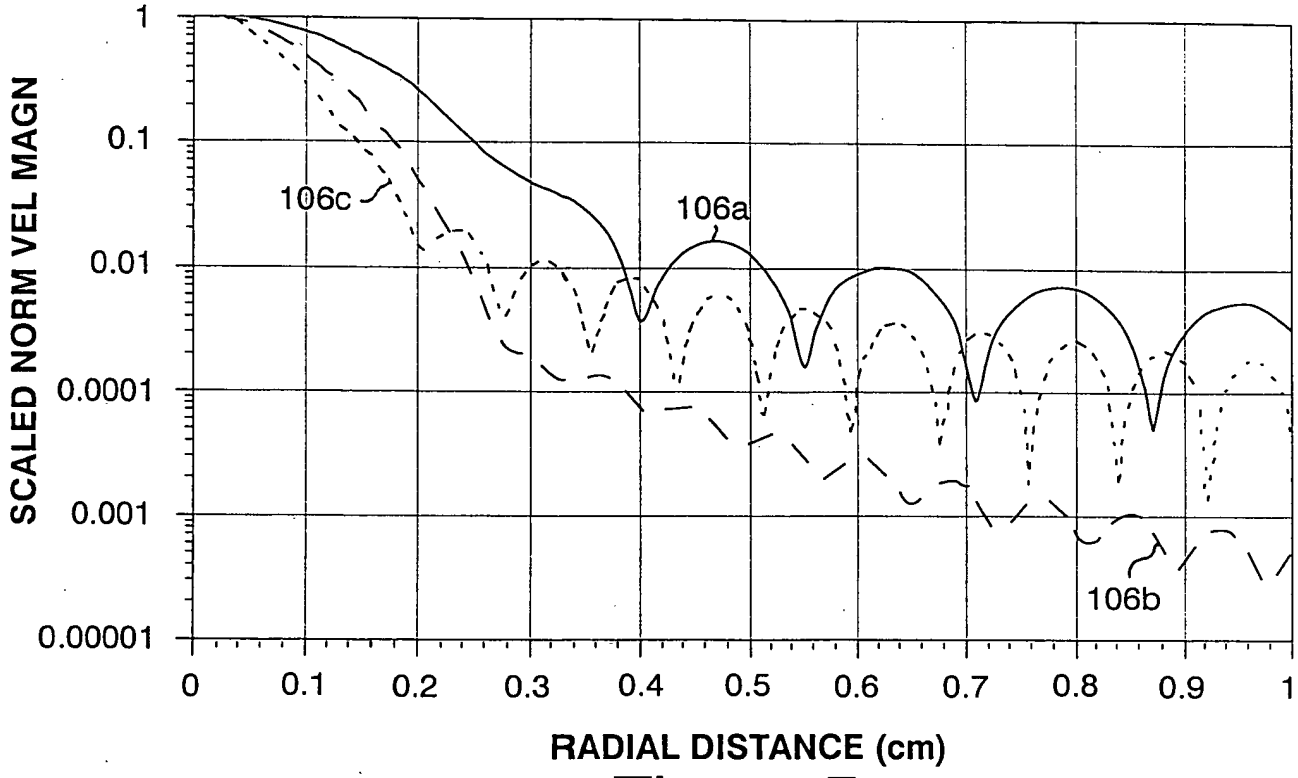

Figure 5a

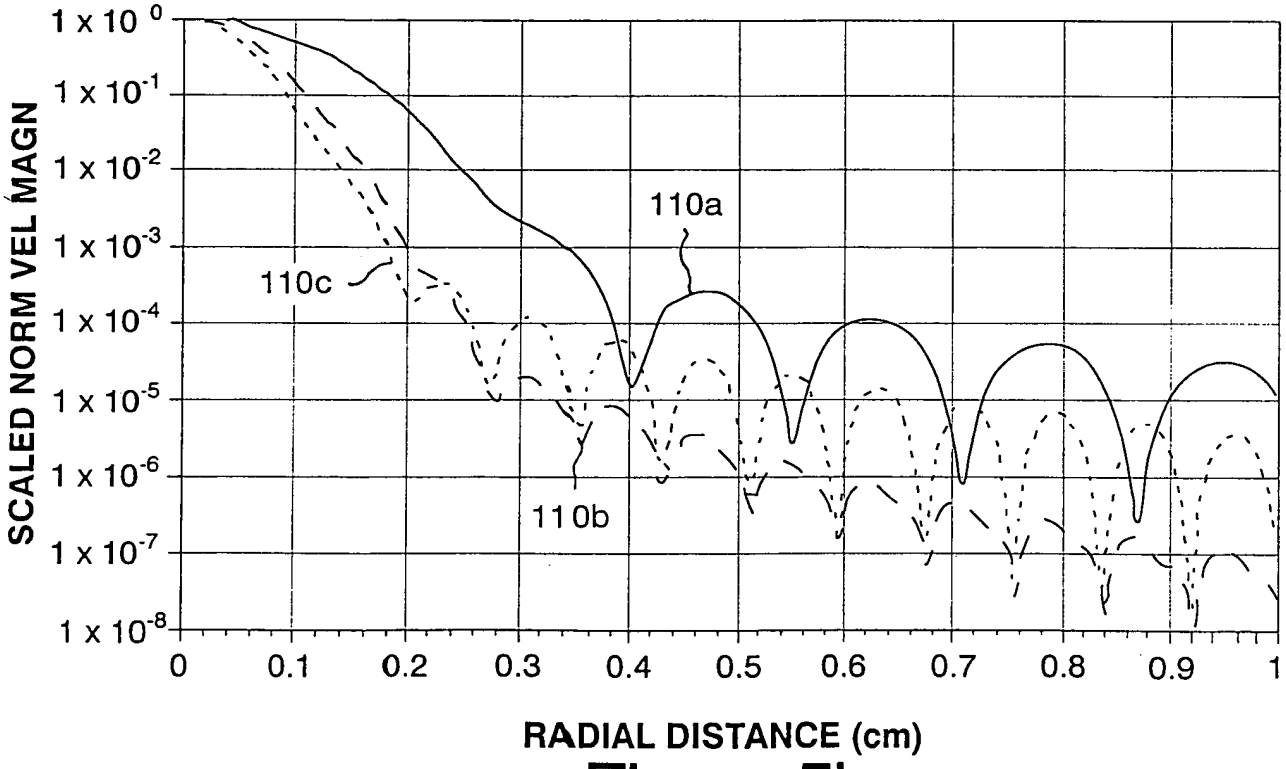

Figure 5b

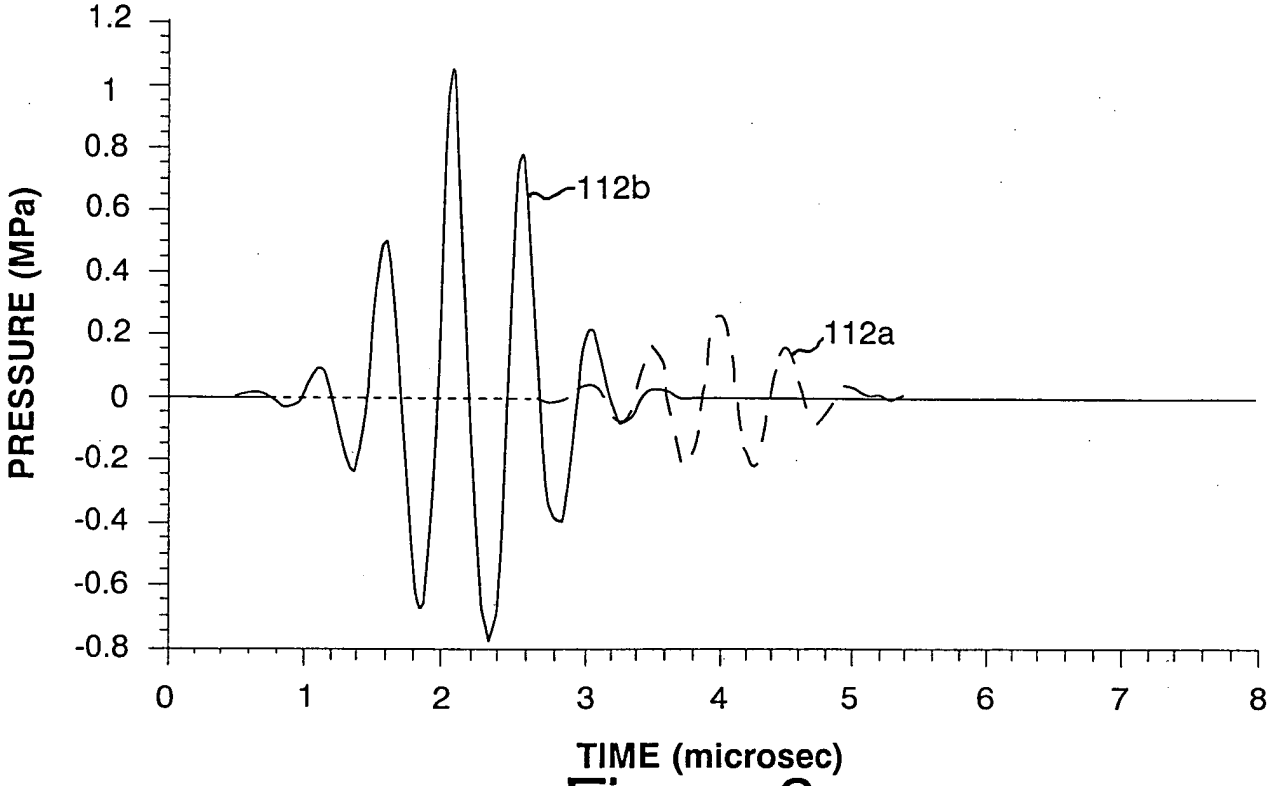

Figure 6a

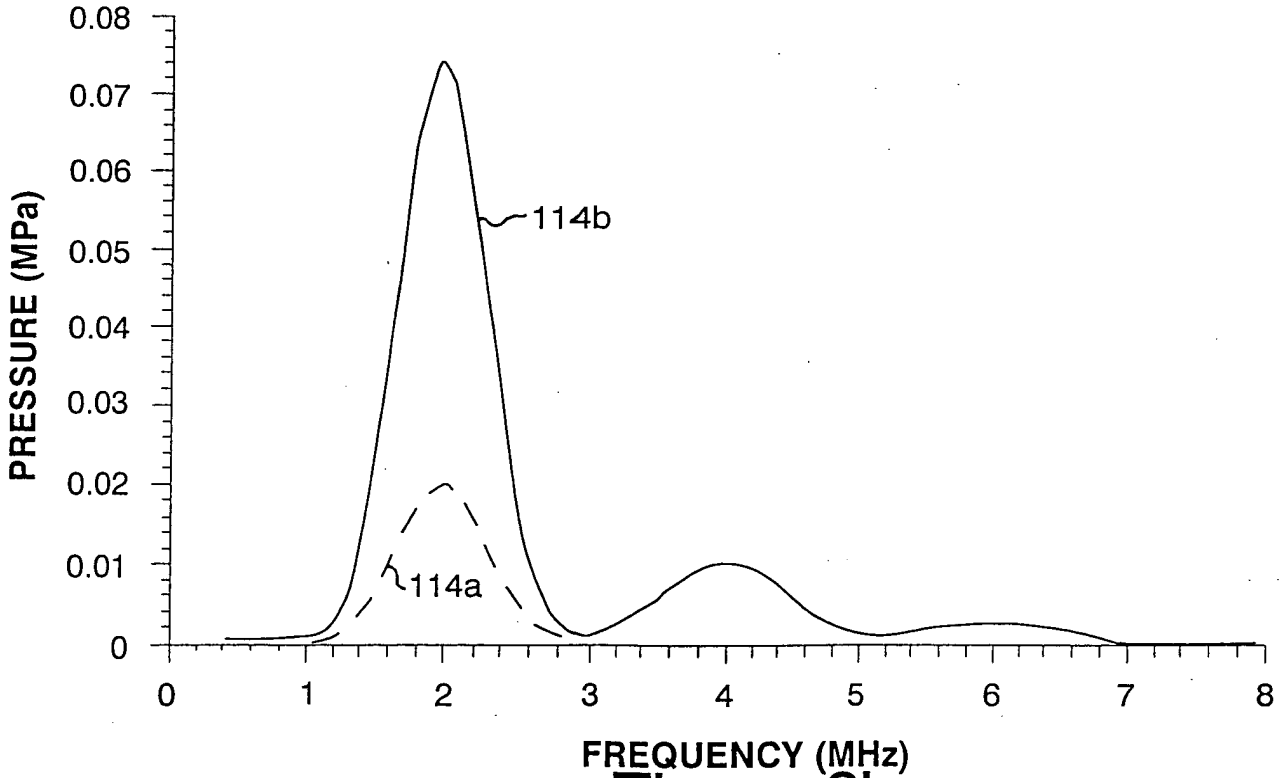

Figure 6b

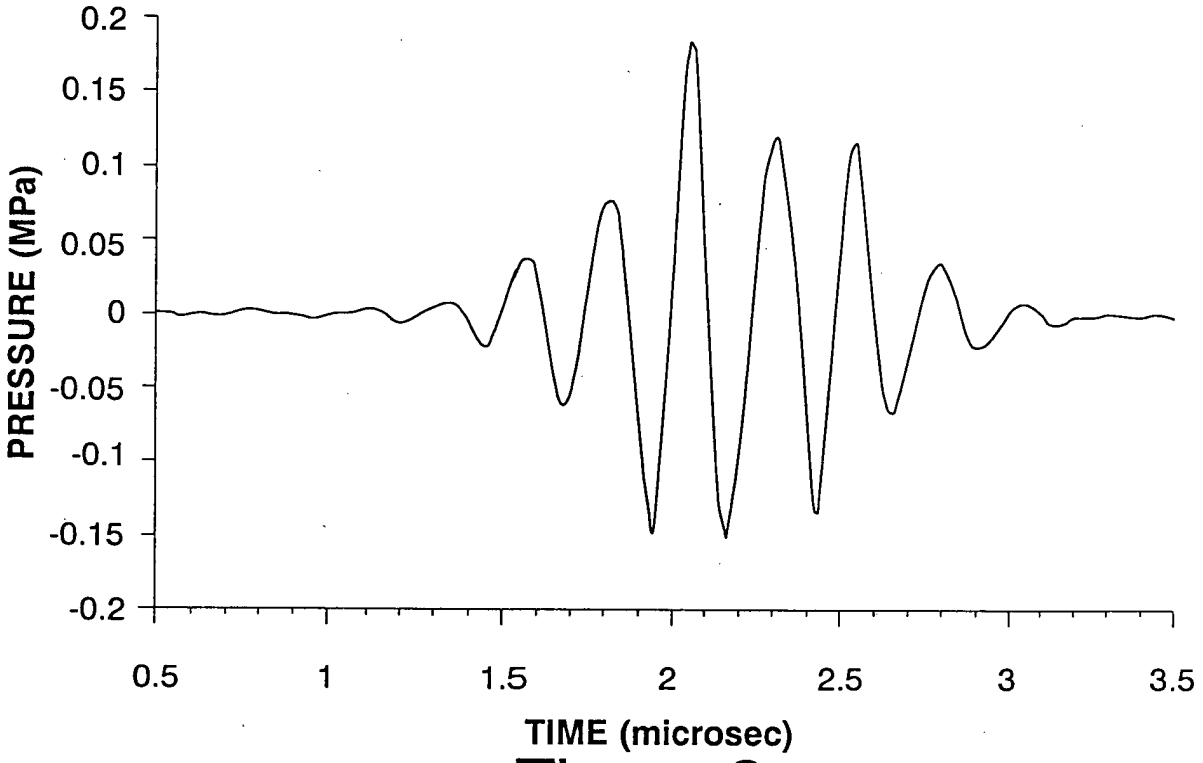

Figure 6c

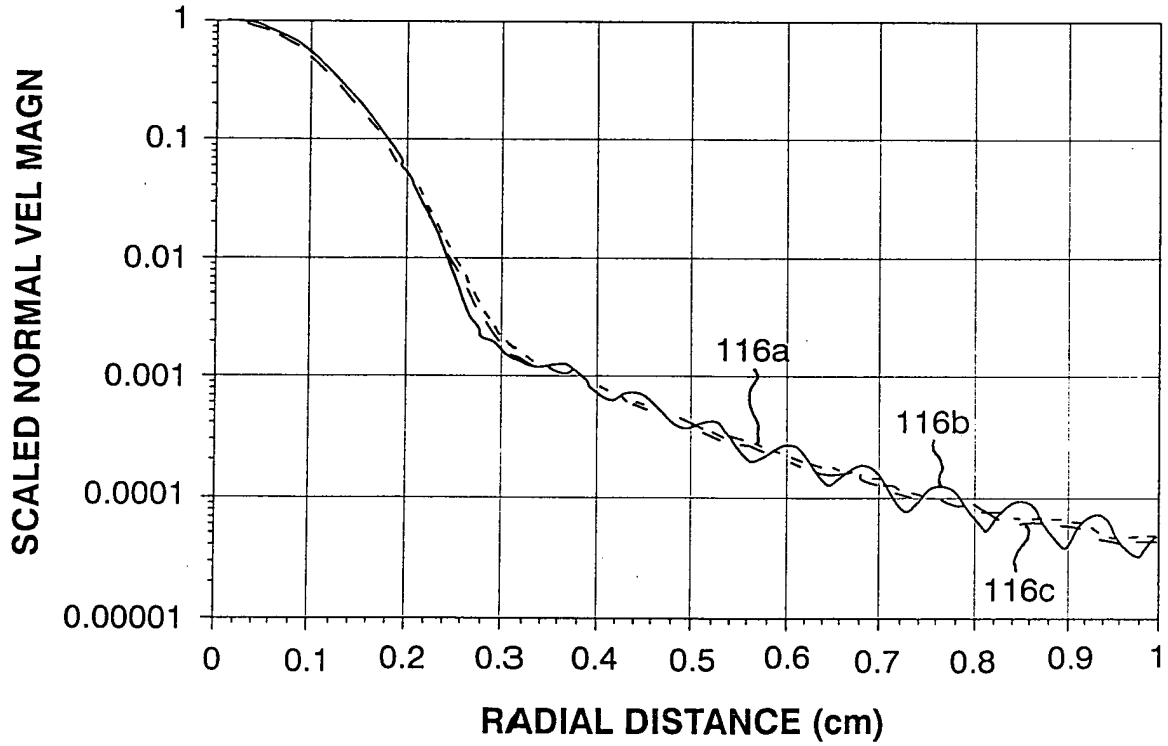

Figure 7

On-axis Source intensity (RMS w/cm^2)	Received 2nd harmonic level (dB)	Received 3rd harmonic level (dB)	Minimum pressure at the geometric focus (Mpa)	Mechanical Index (min. press.sqrt(f))
0.5	26.54	50.88	-0.45	0.32
1	23.64	45.02	-0.61	0.43
2	20.73	39.23	-0.84	0.59
4	17.94	33.66	-1.13	0.80
8	15.37	28.59	-1.50	1.06

Figure 8

Focal length (cm)	2nd harmonic level at the focus (dB)	Received 2nd harmonic level (dB)
4	15.99	19.75
6	15.11	20.73
8	15.01	22.53
10	15.29	24.69
12	15.83	27.07

Figure 9

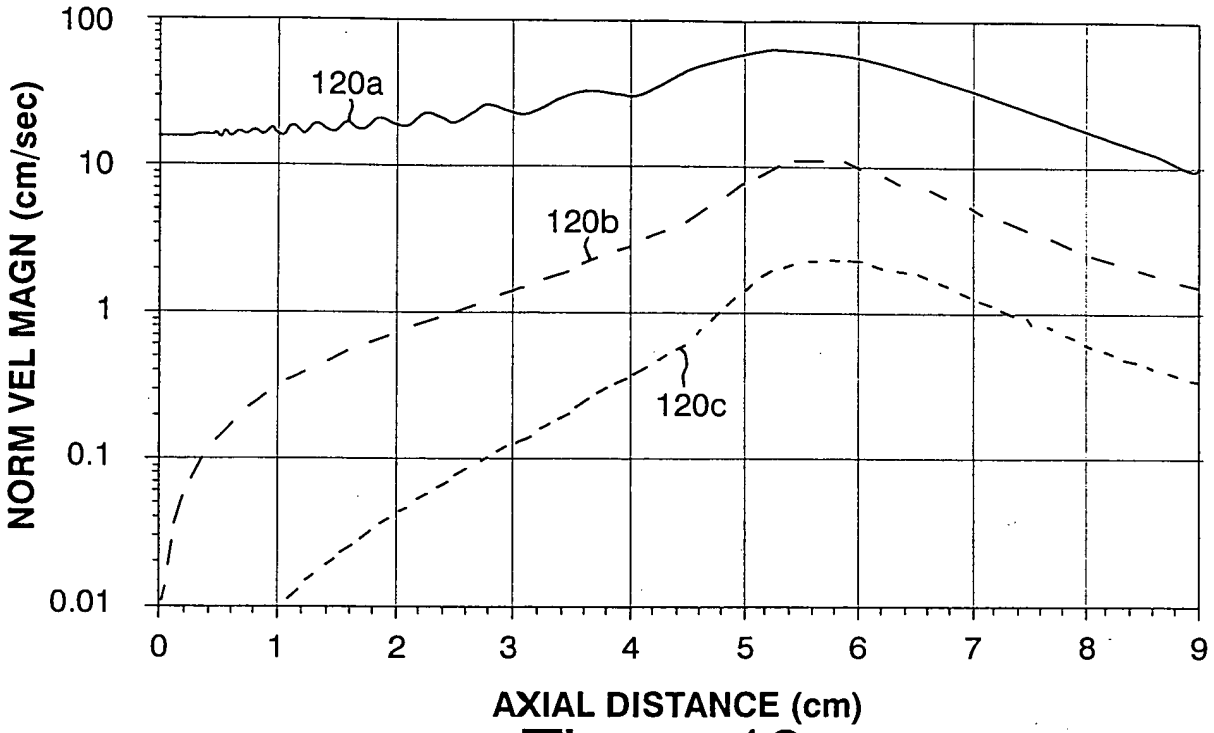

Figure 10a

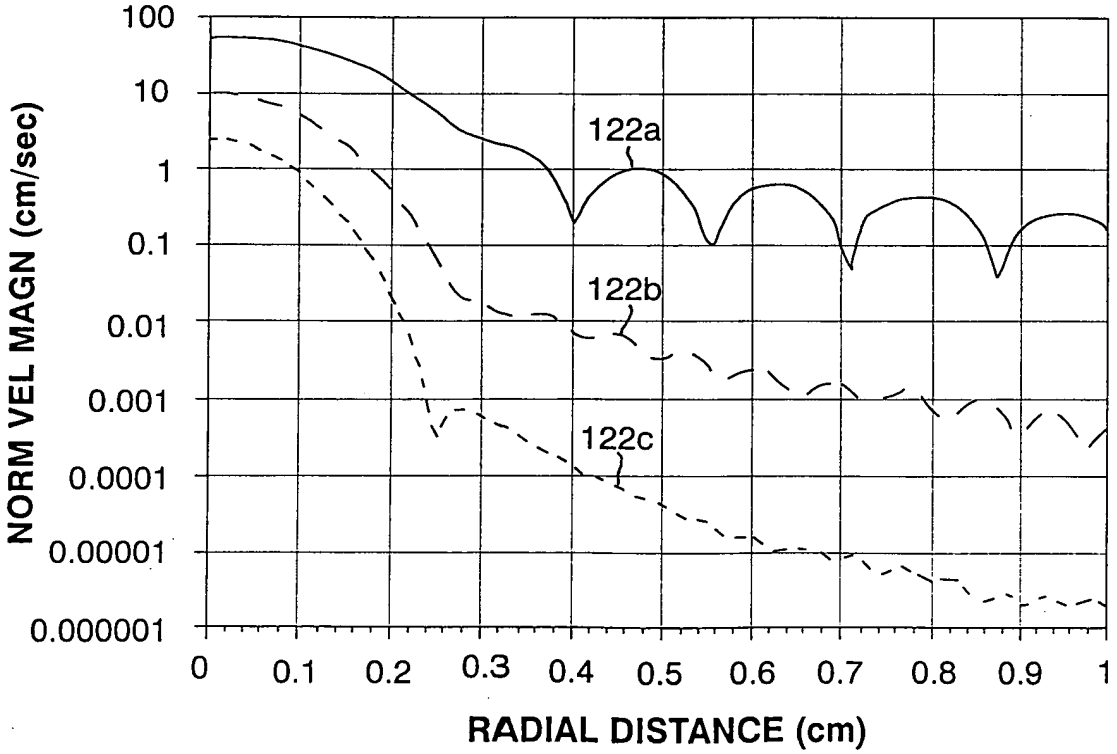

Figure 10b

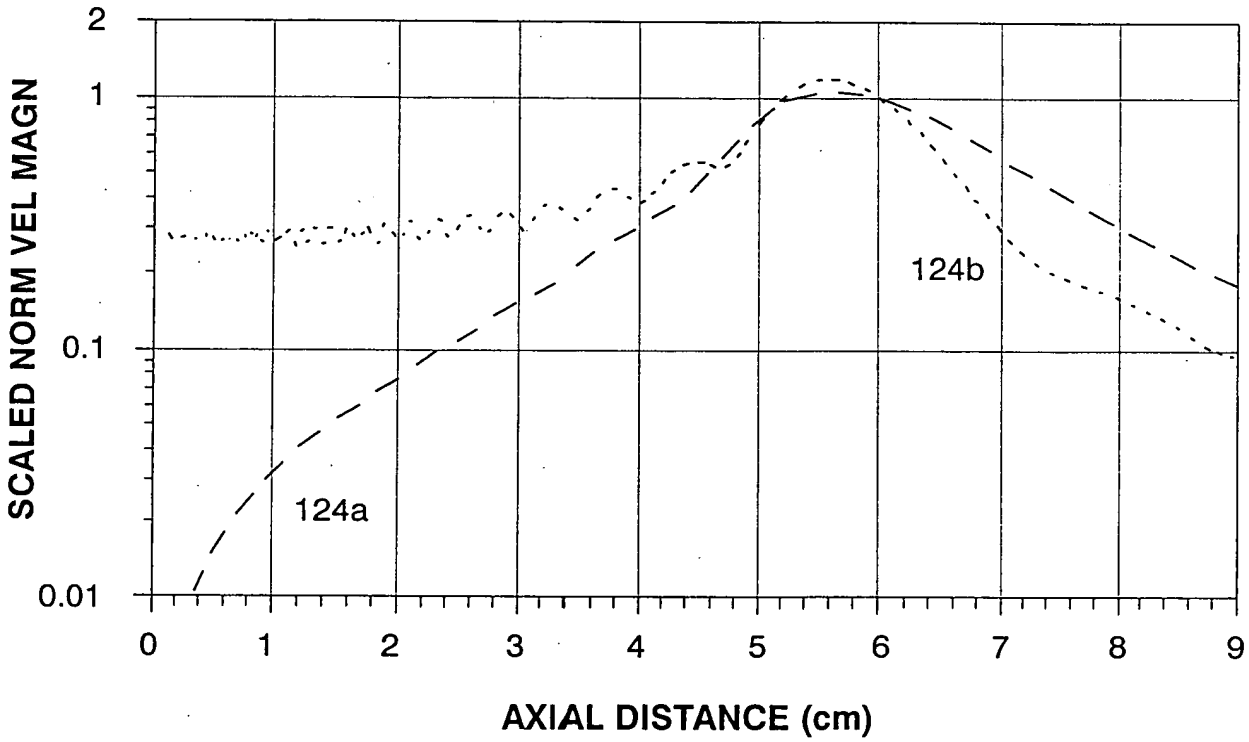
SCALED NORM VEL MAGN
2
1
0.1
0.01
124a
124b
0
1
2
3
4
5
6
7
8
9
AXIAL DISTANCE (cm)

Figure 11

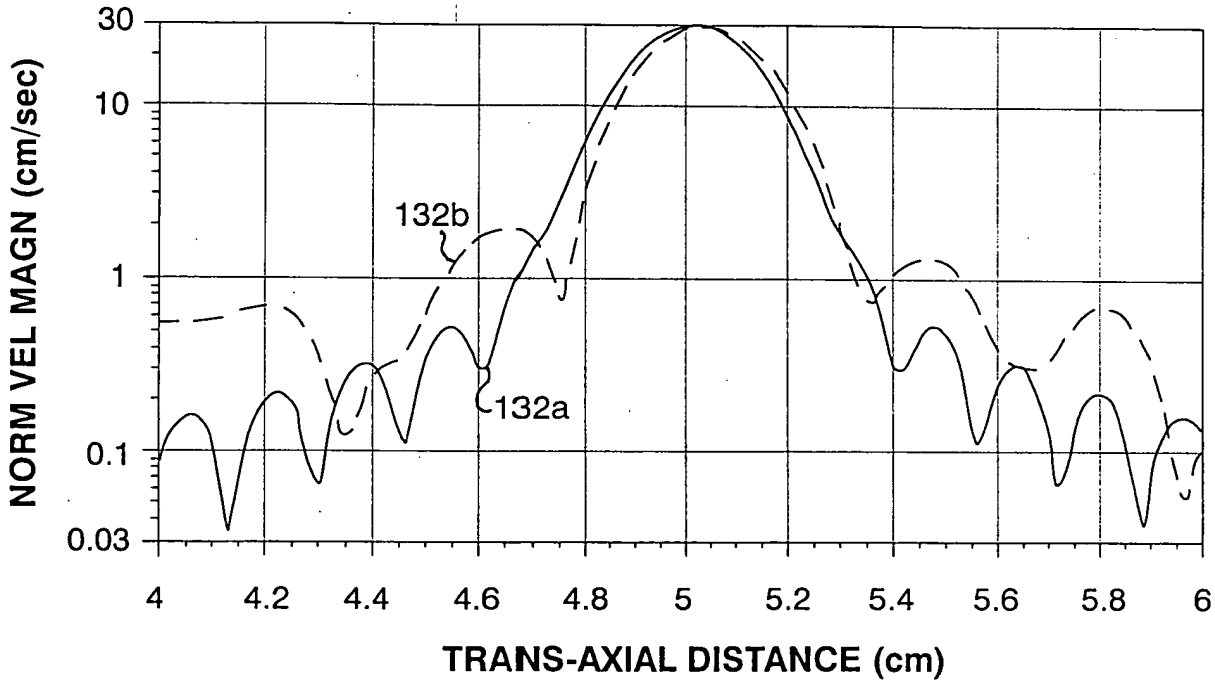

Figure 12a

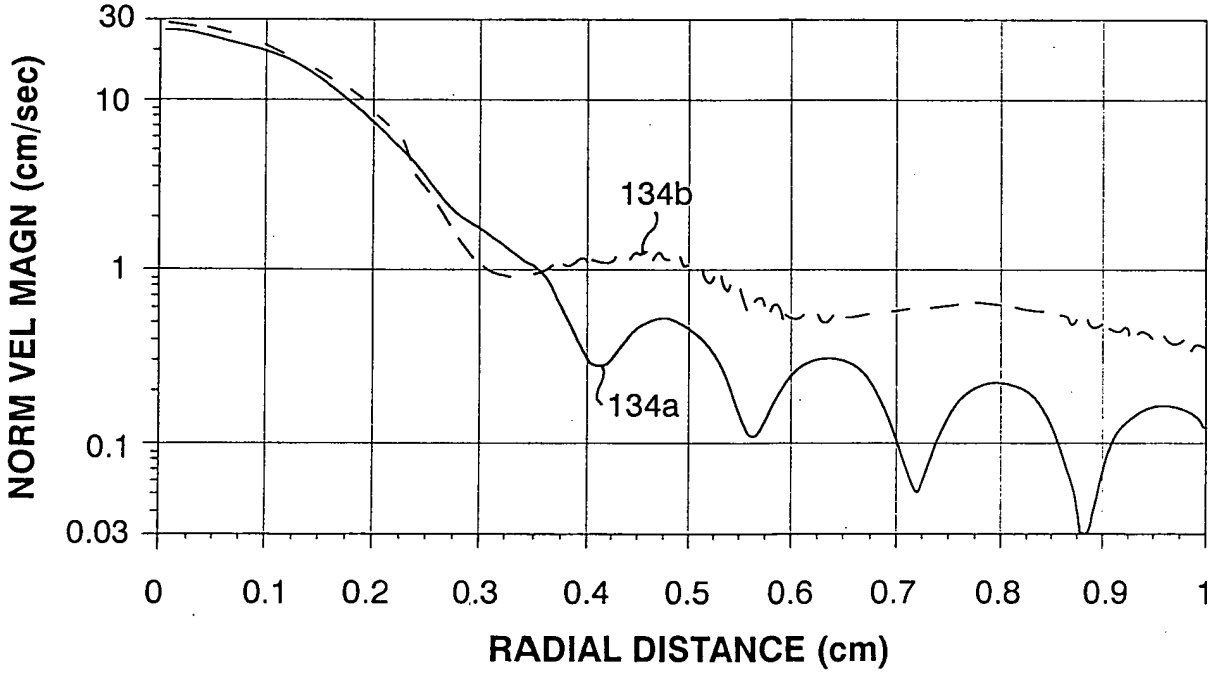

Figure 12b

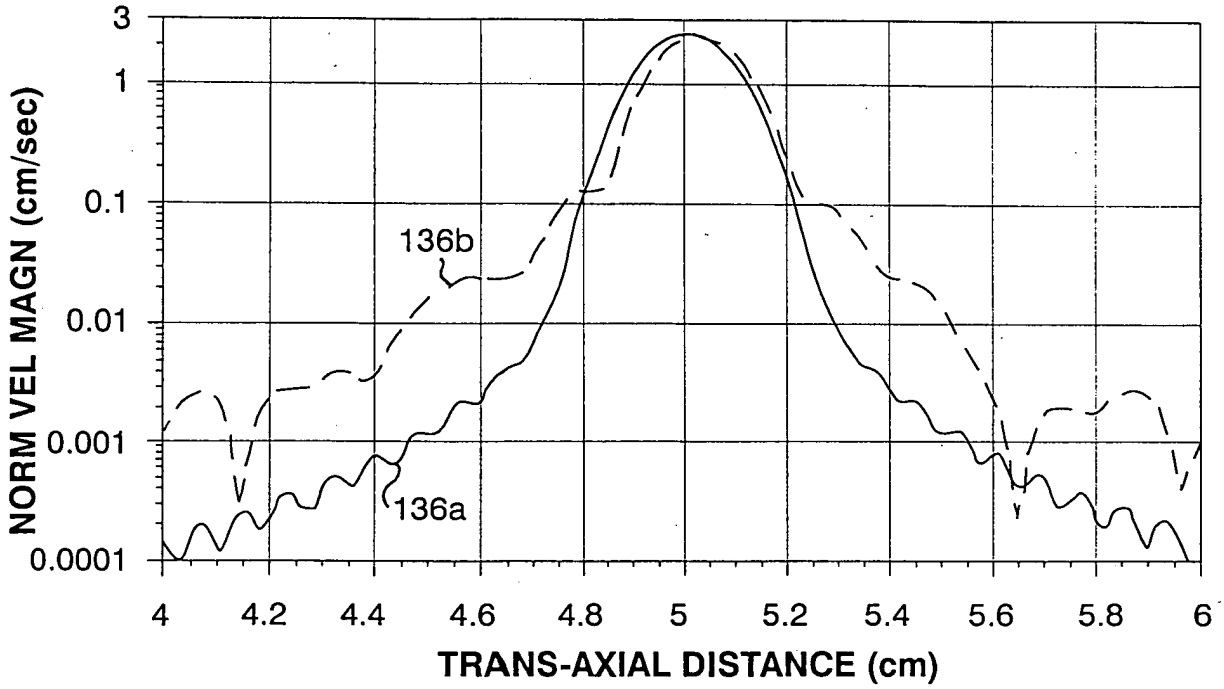

Figure 12c

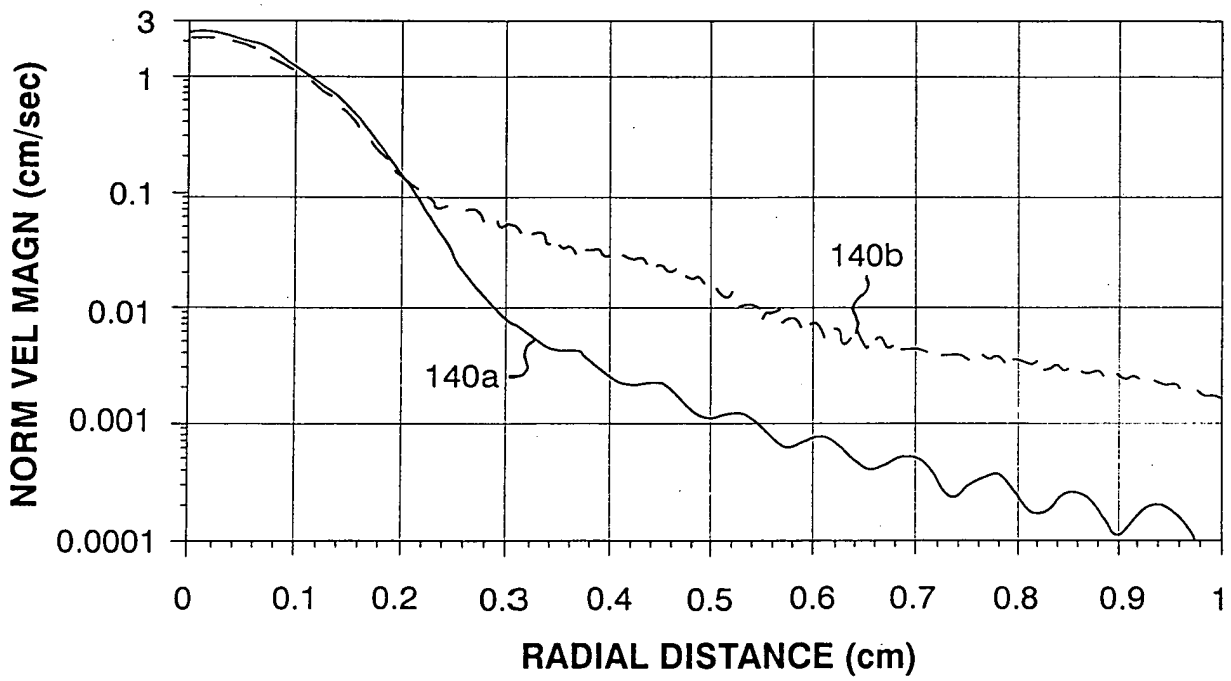

Figure 12d

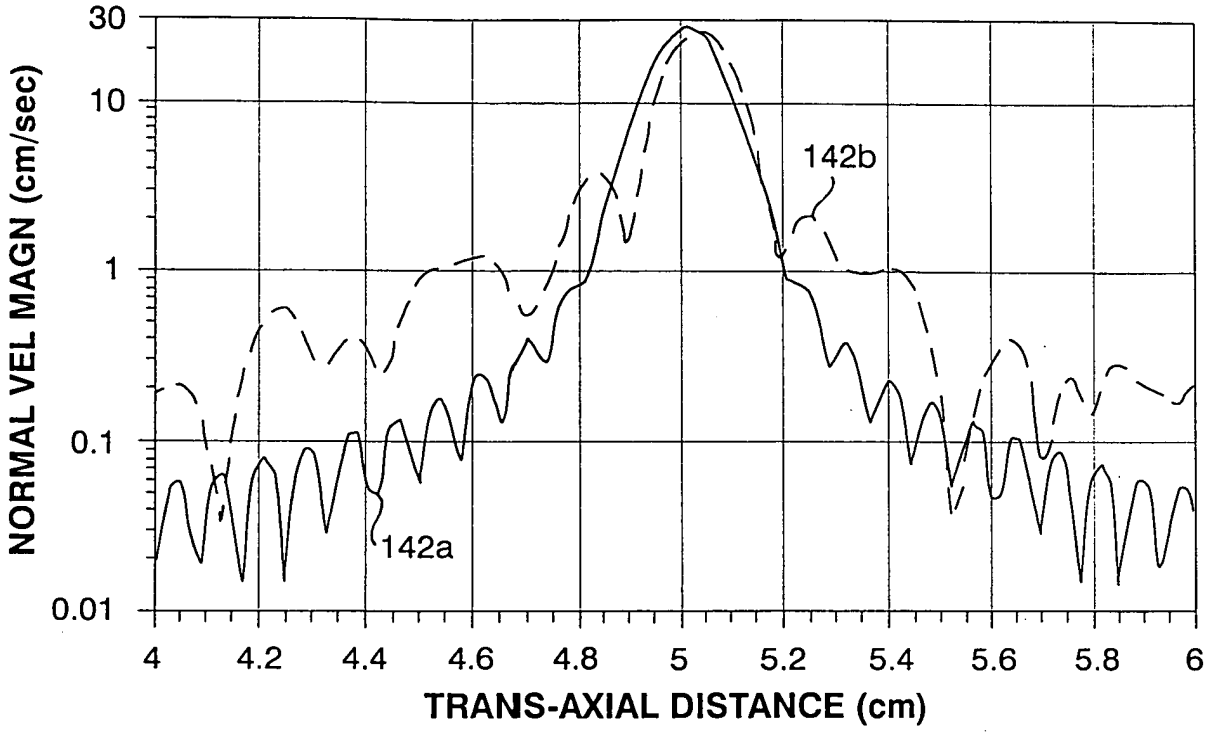

Figure 12e

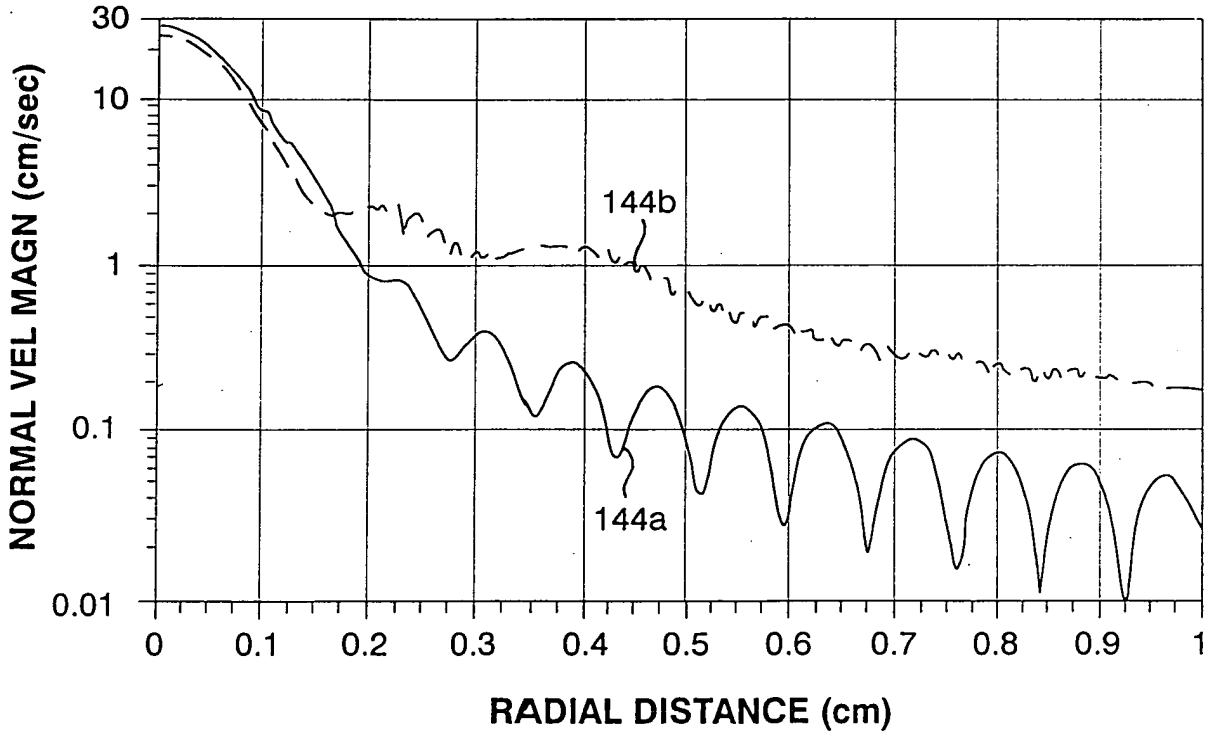

Figure 12f

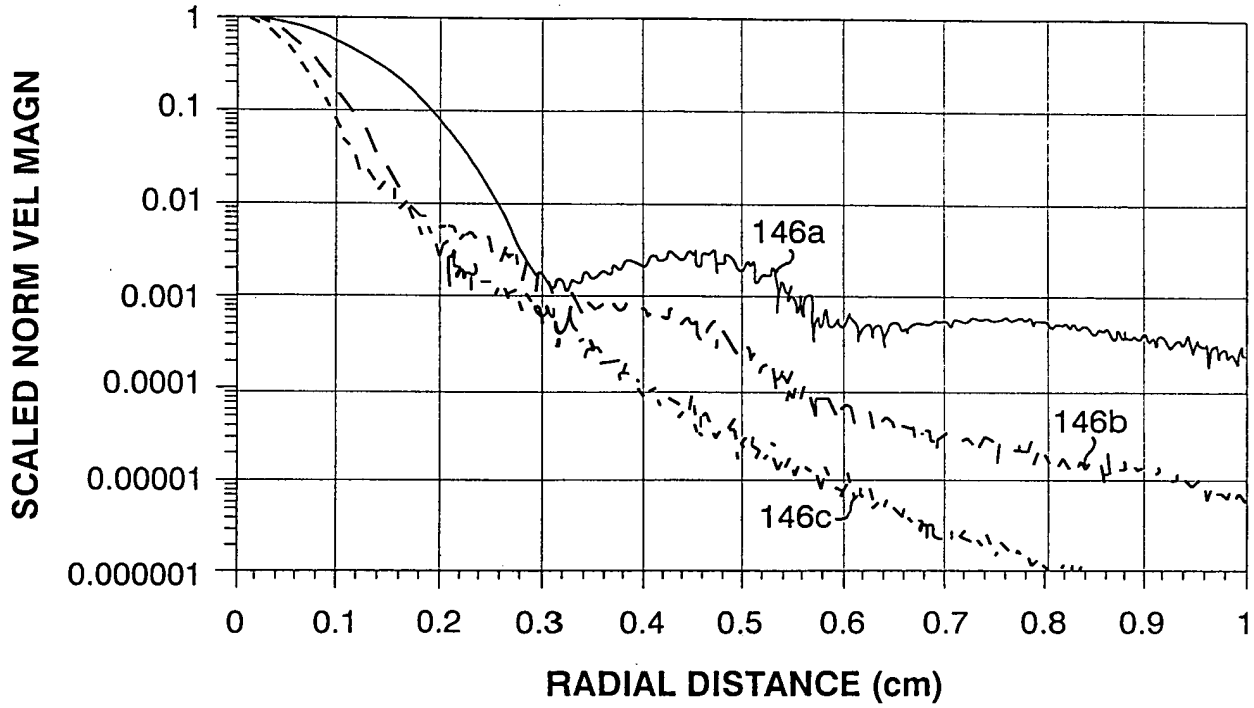

Figure 13a

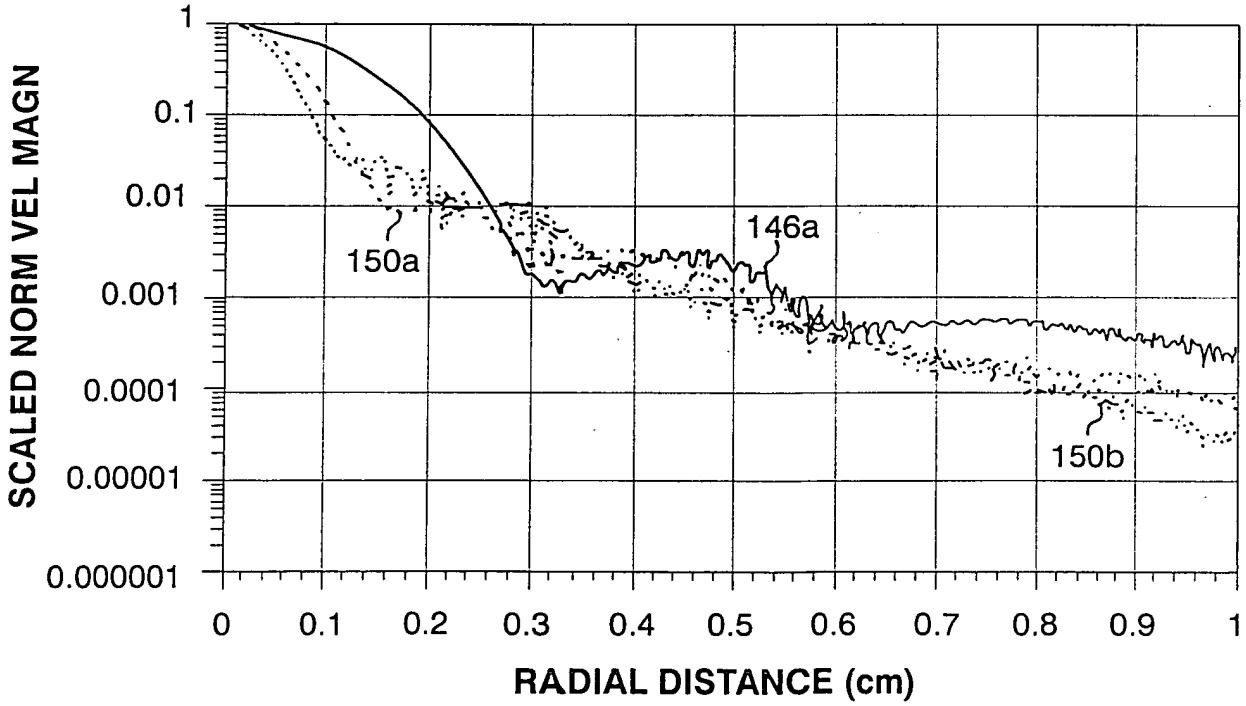

Figure 13b

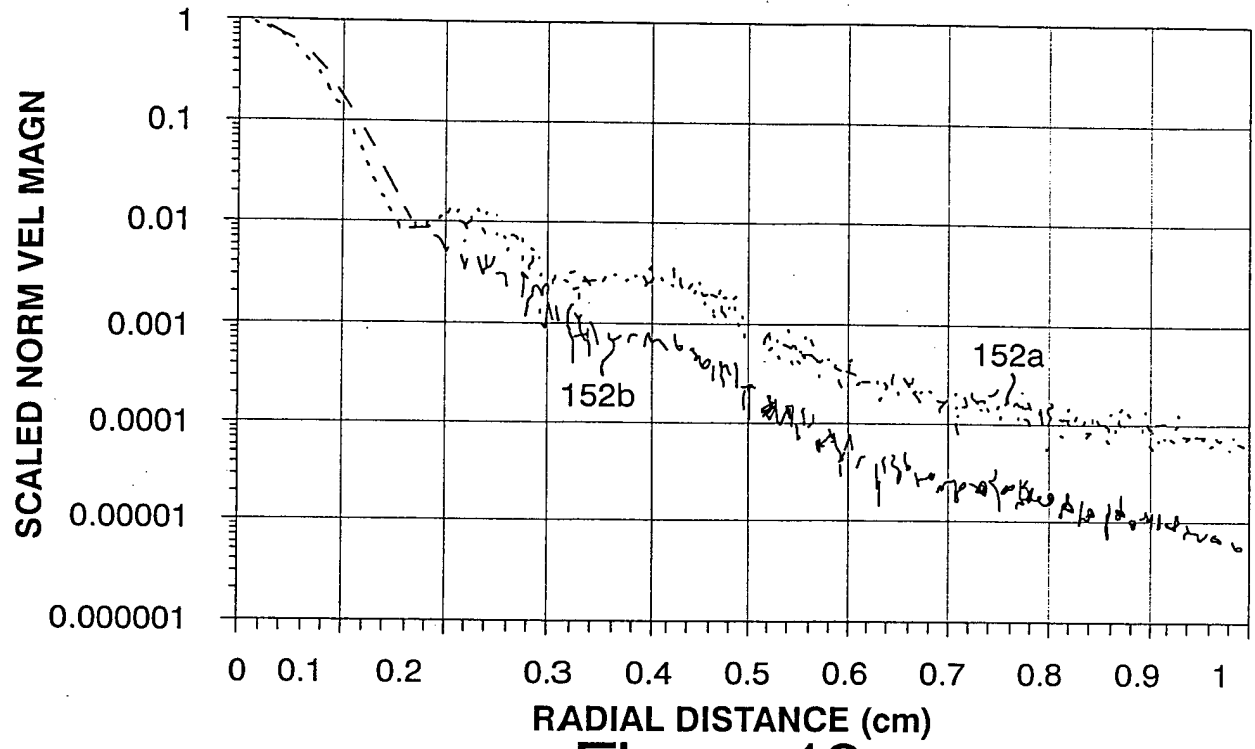

Figure 13c

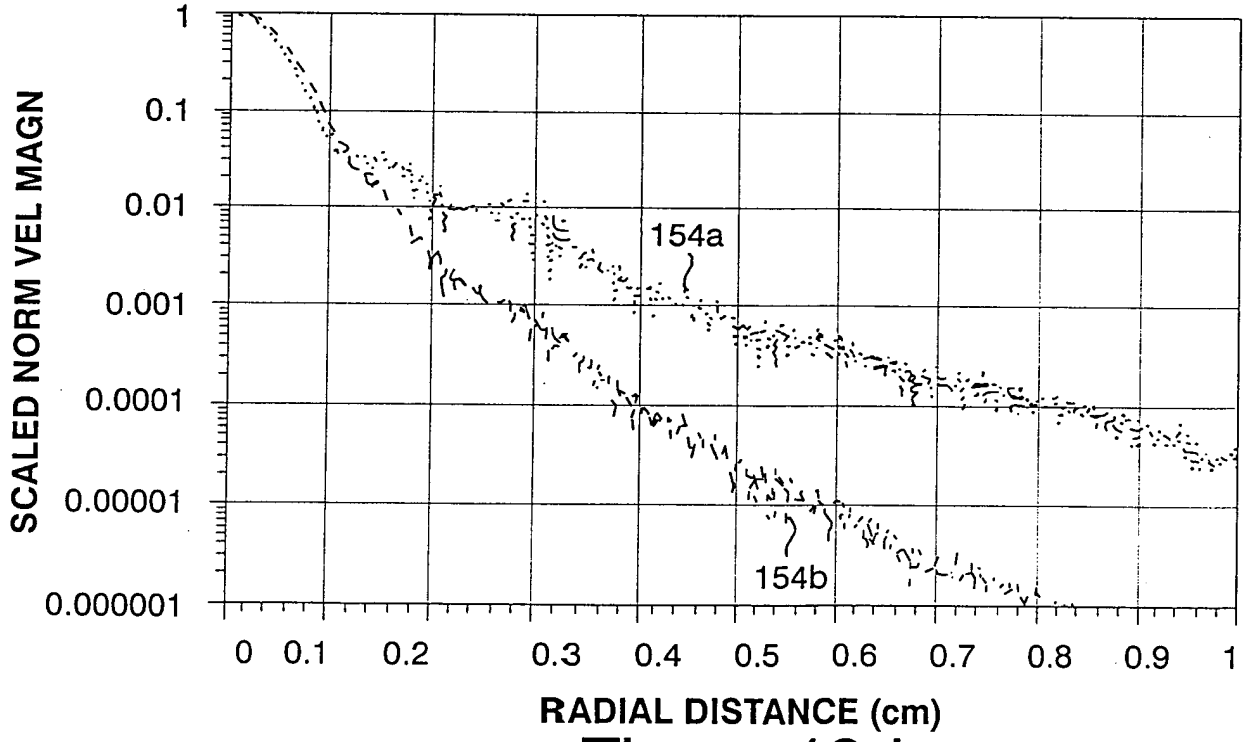

Figure 13d

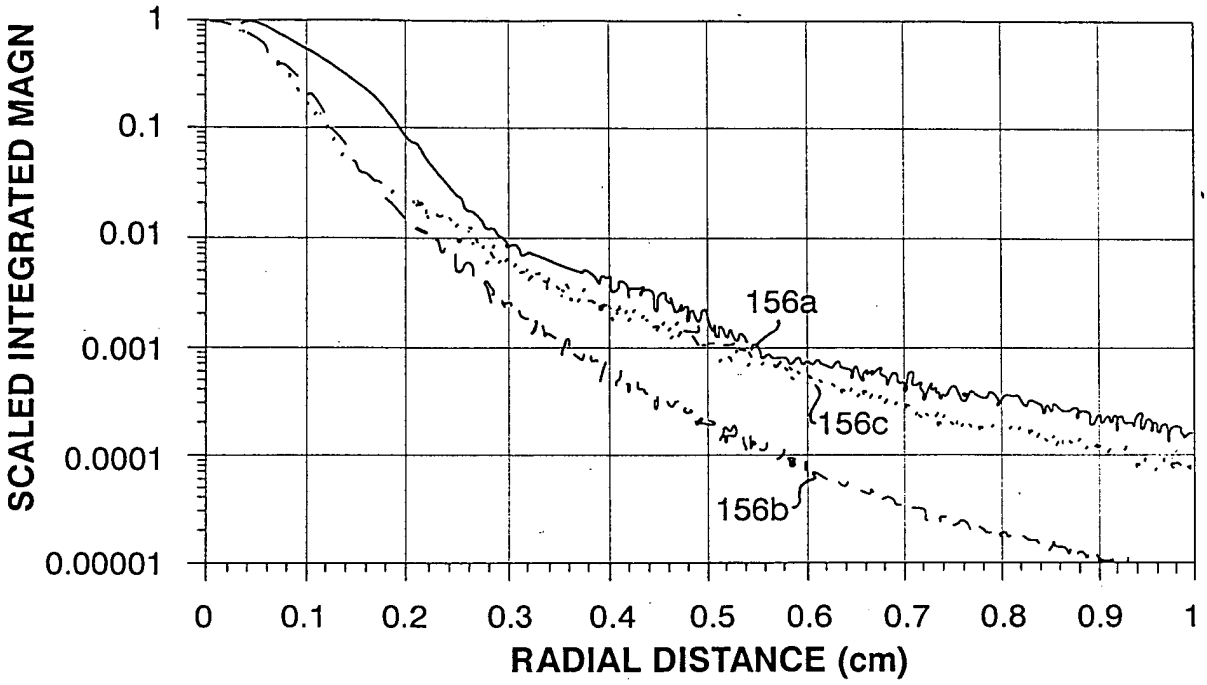

Figure 14a

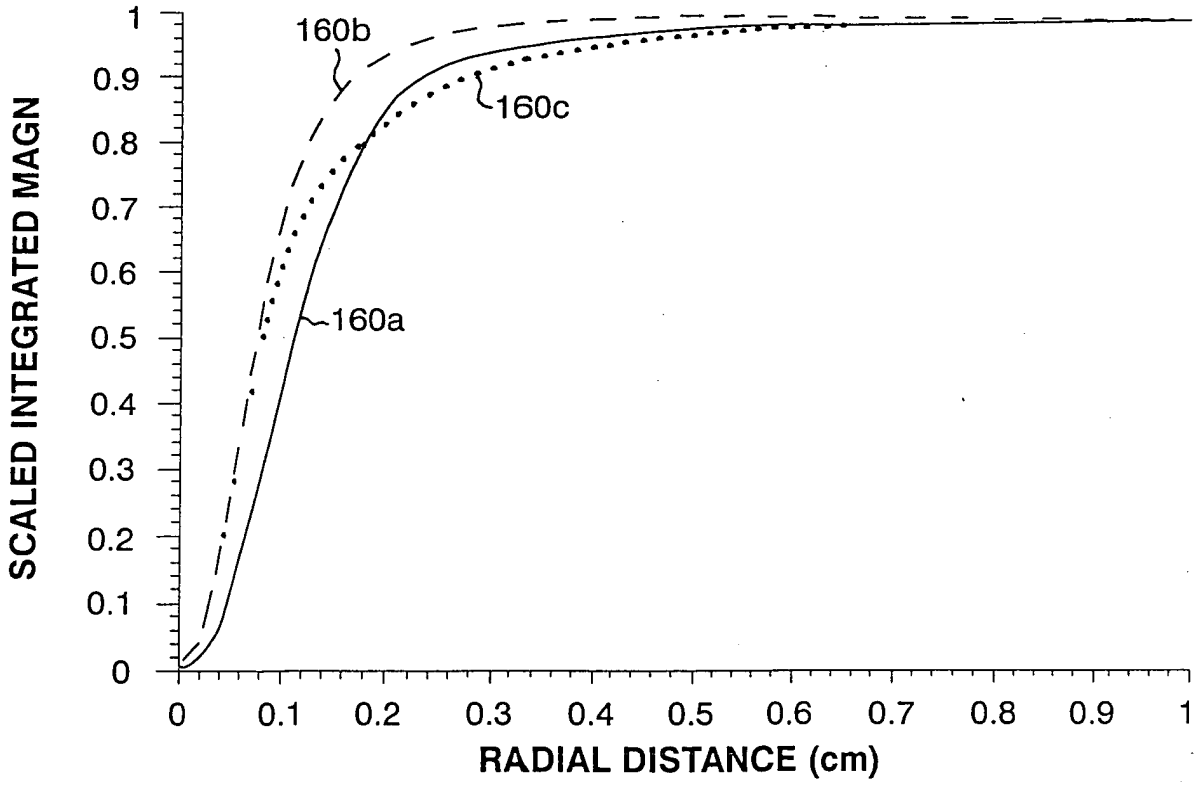

Figure 14b

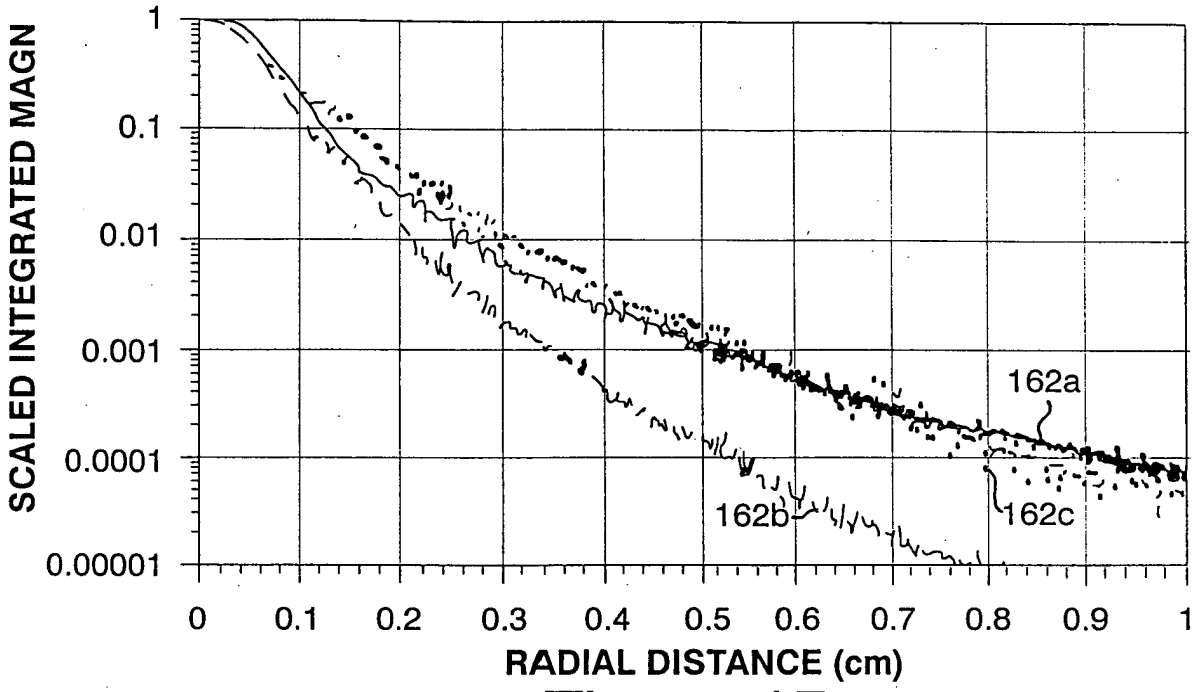

Figure 15a

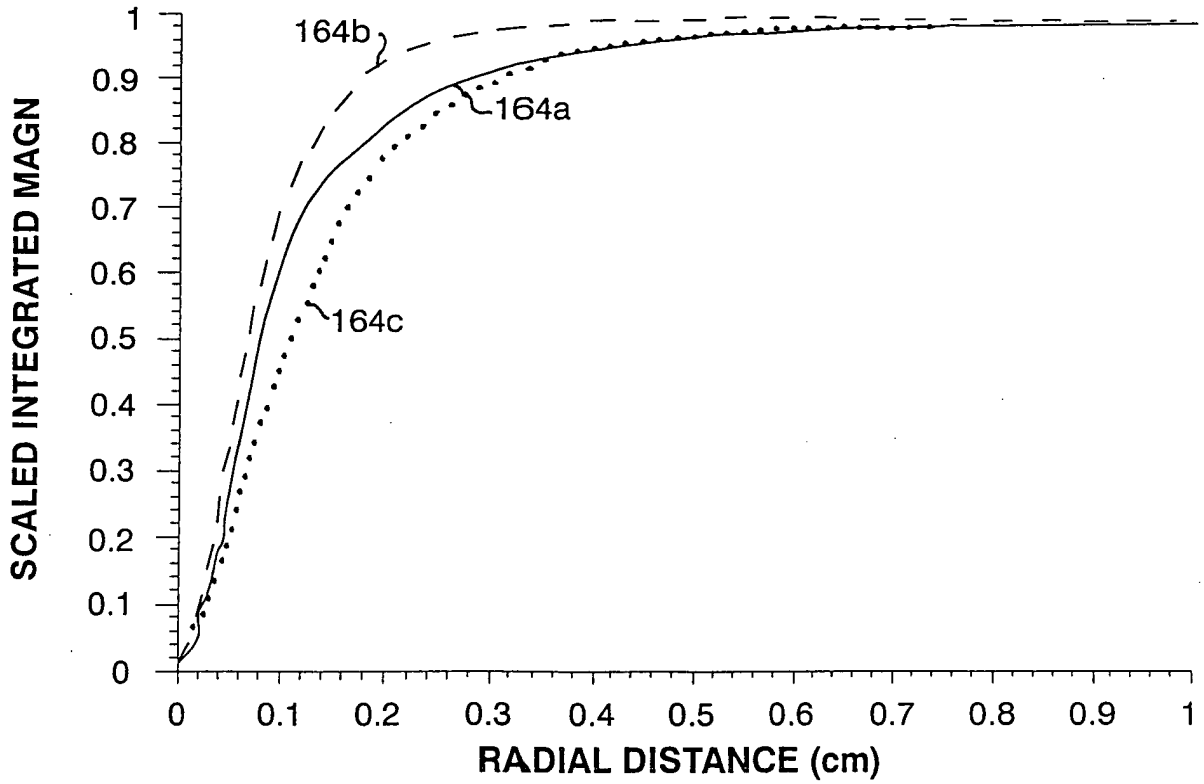

Figure 15b

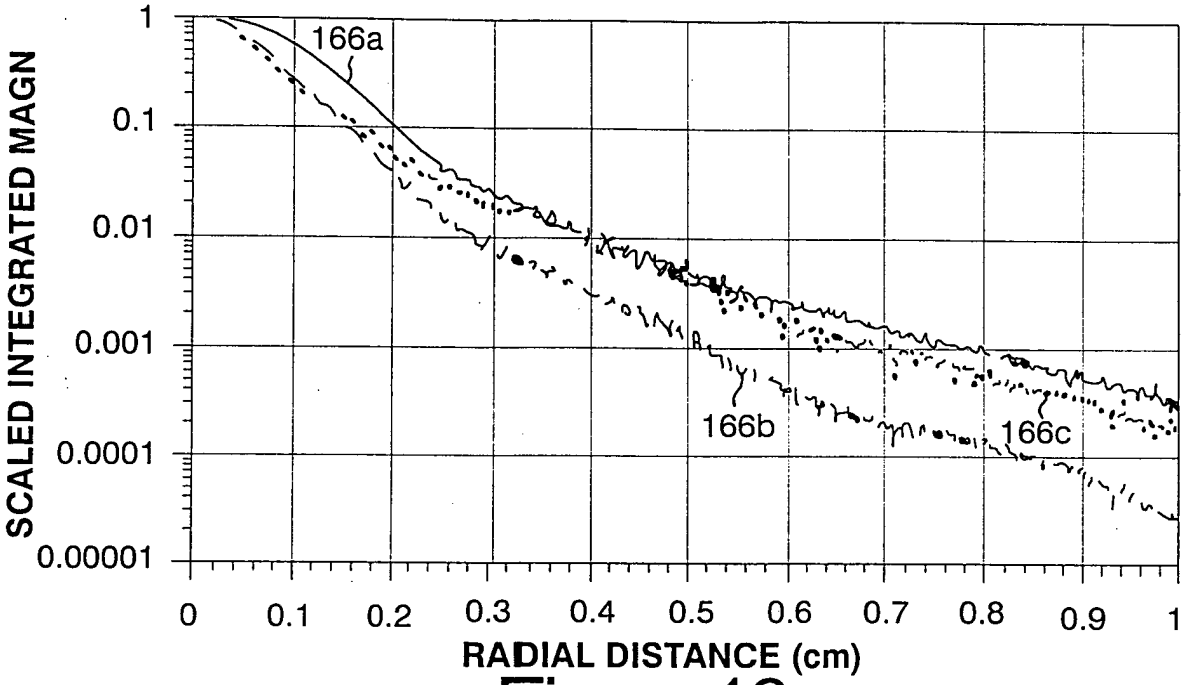

Figure 16a

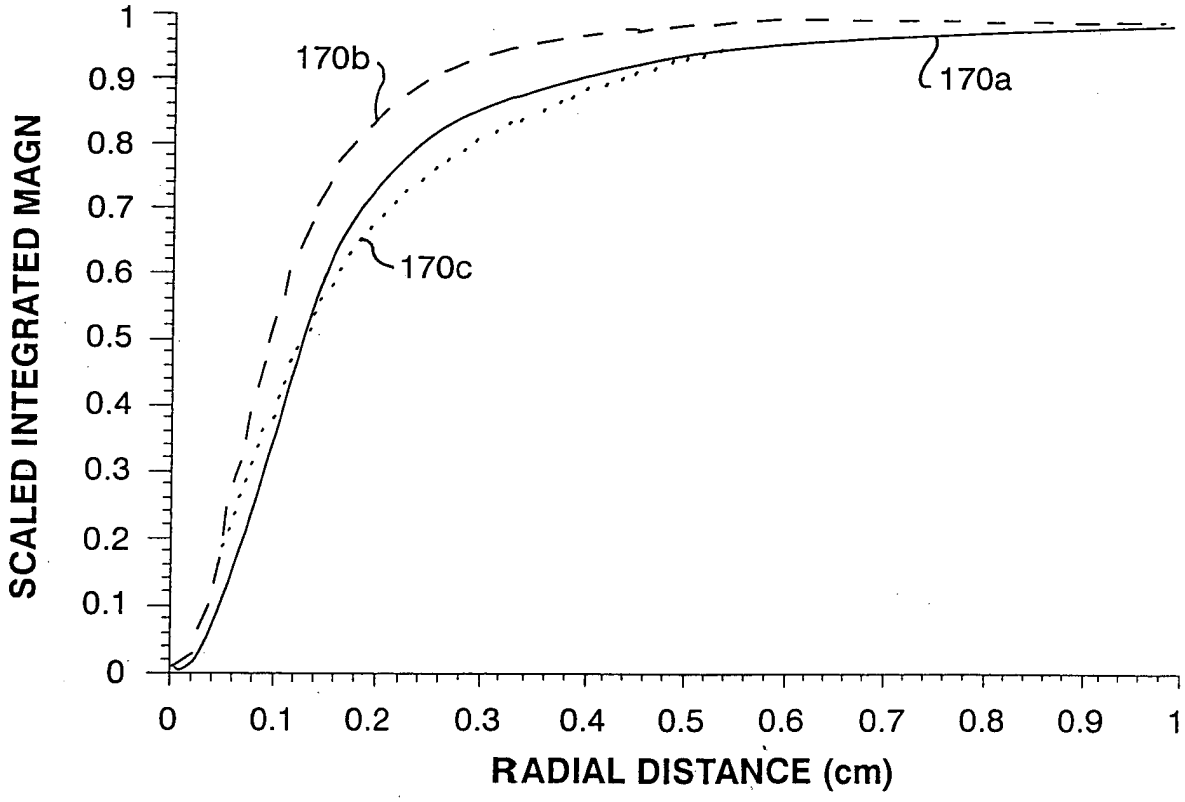

Figure 16b

Frequency / Medium	-20 dB full-width(cm)	0.9 Integrated full-width (cm)
2 MHz / ab wall	0.388	0.458
4 MHz / ab wall	0.242	0.542
2nd har 4 MHz / ab wall	0.258	0.332
8 MHz / ab wall	0.304	0.602
2nd har 8 MHz / ab wall	0.216	0.338
2 MHz / ab wall	0.406	0.746
4 MHz / ab wall	0.334	0.858
2nd har 4 MHz / ab wall	0.308	0.504
8 MHz / ab wall	0.462	0.880
2nd har 8 MHz / ab wall	0.298	0.526

Figure 17

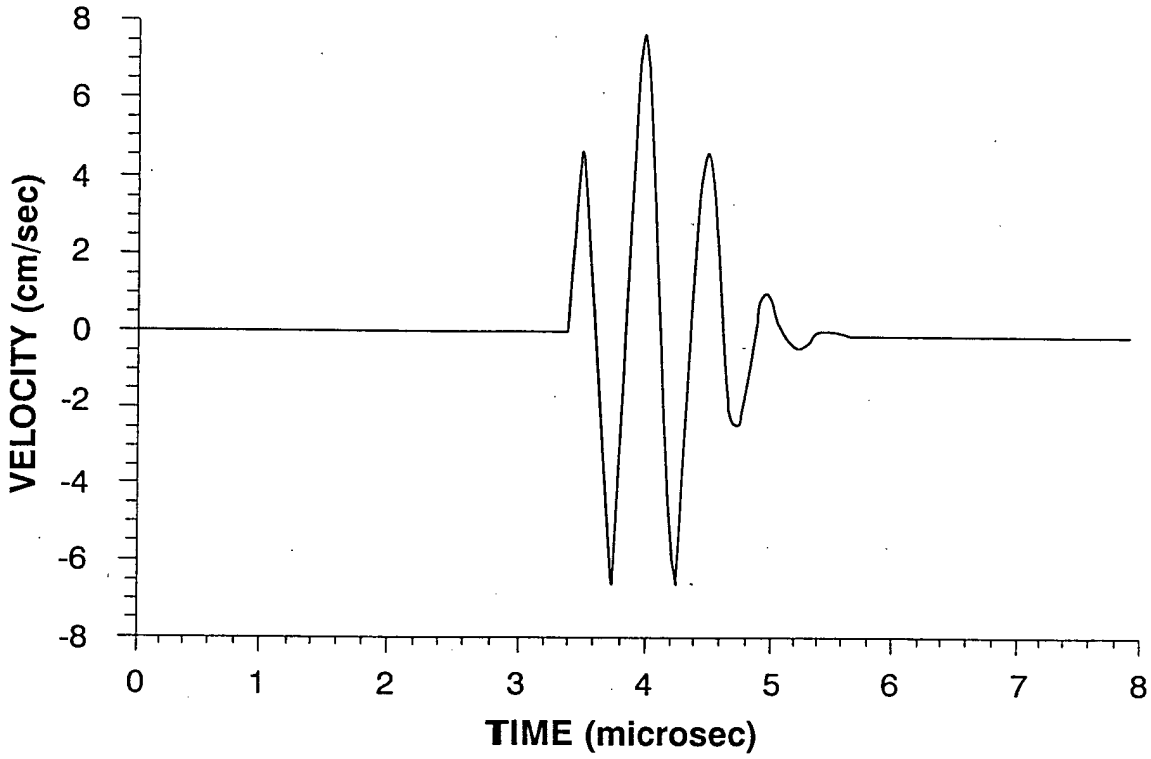

Figure 18a

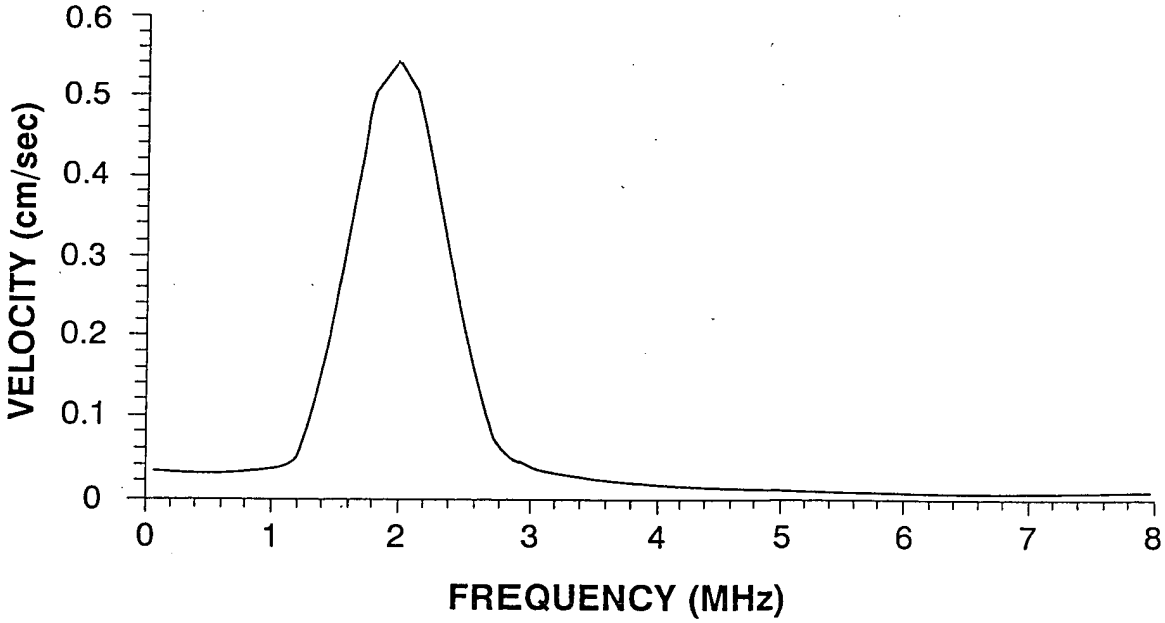

Figure 18b

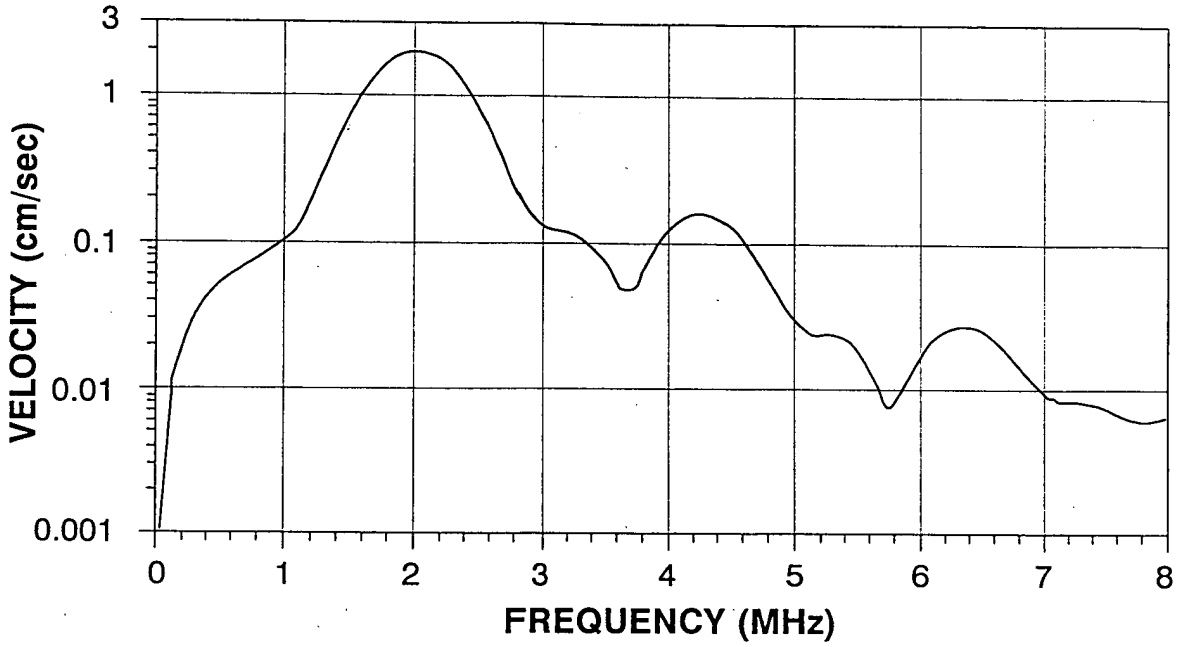

Figure 18c

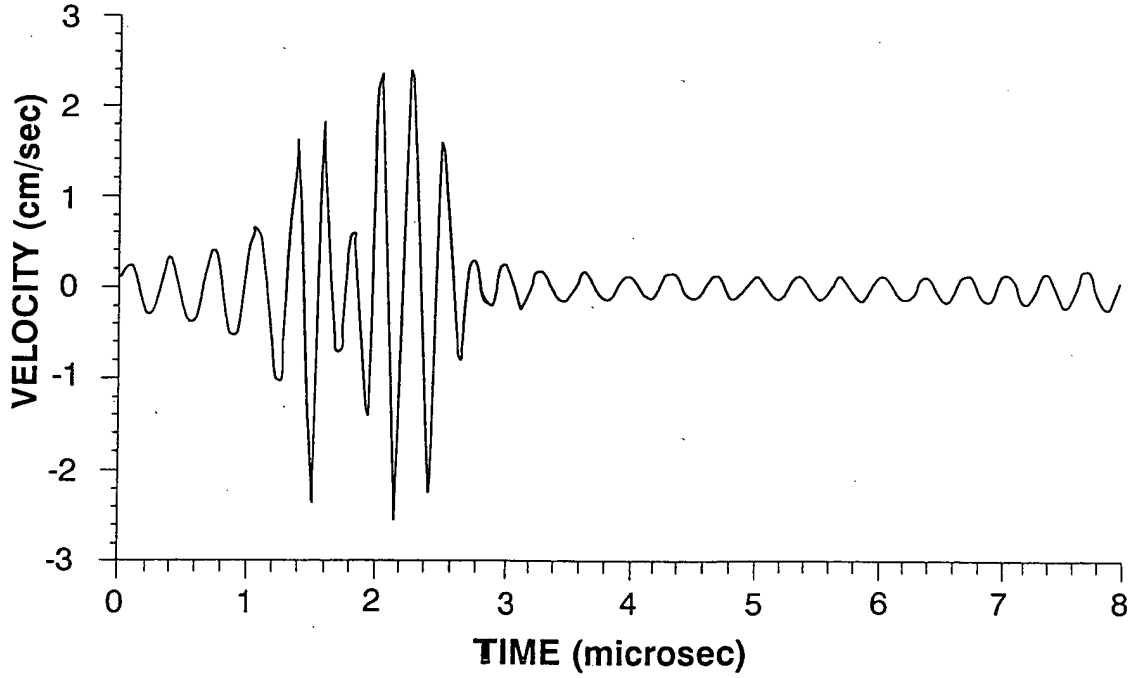

Figure 18d

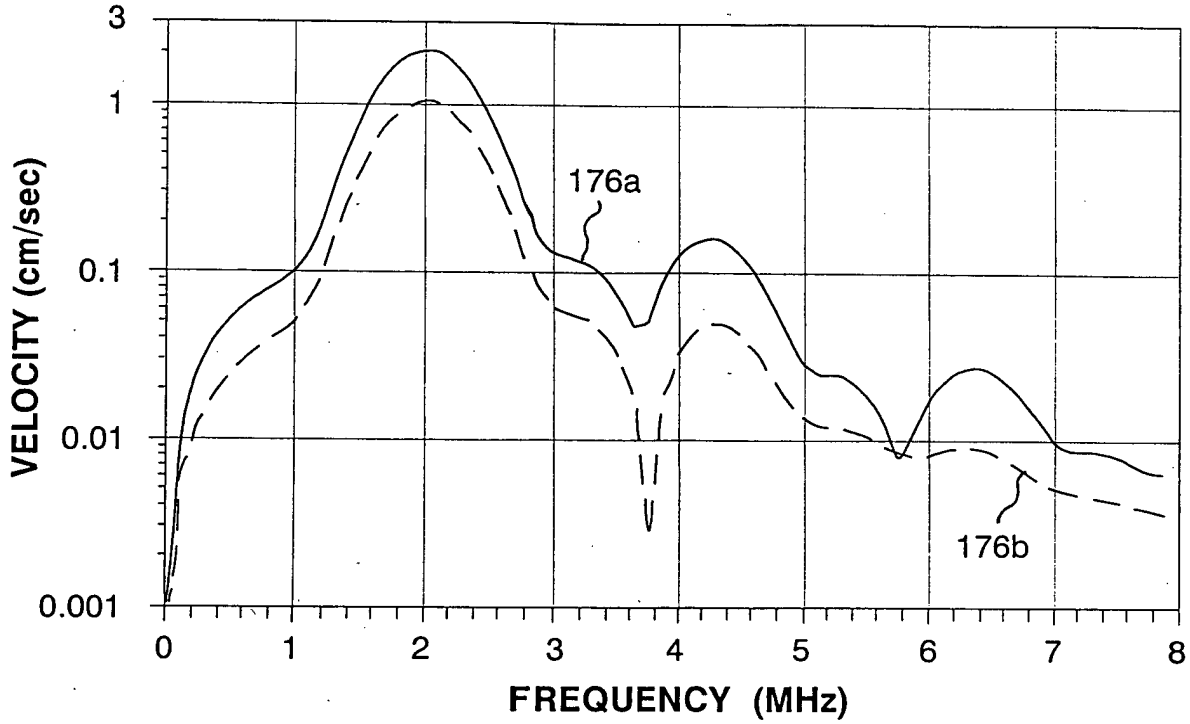

Figure 19a

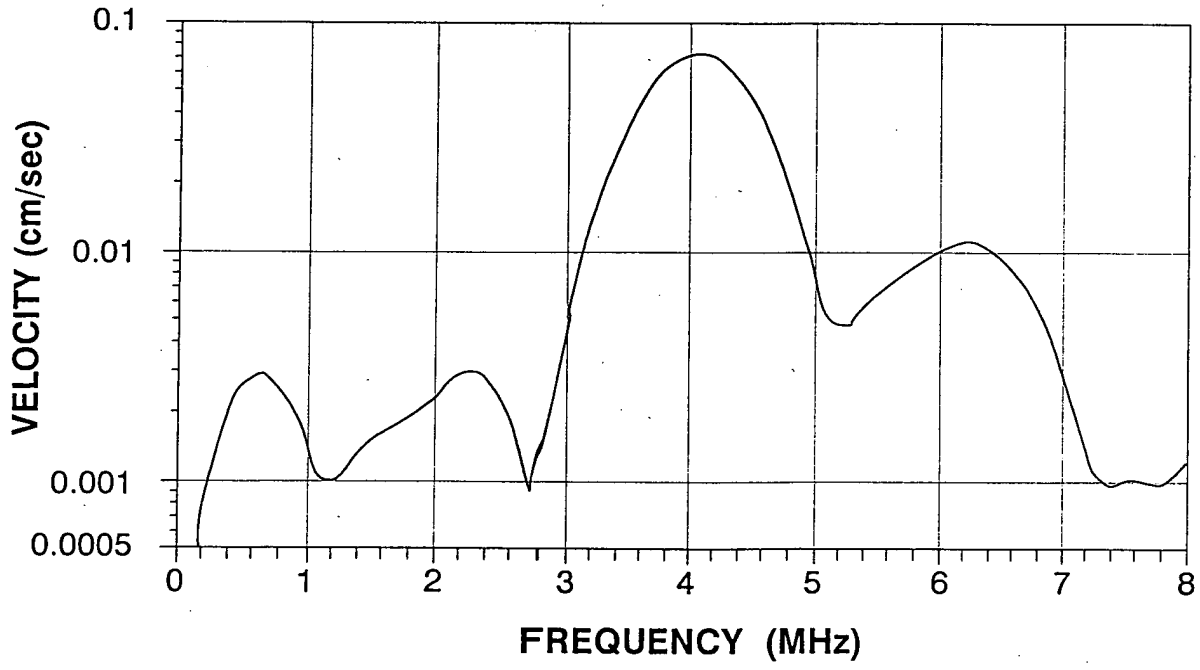

Figure 19b

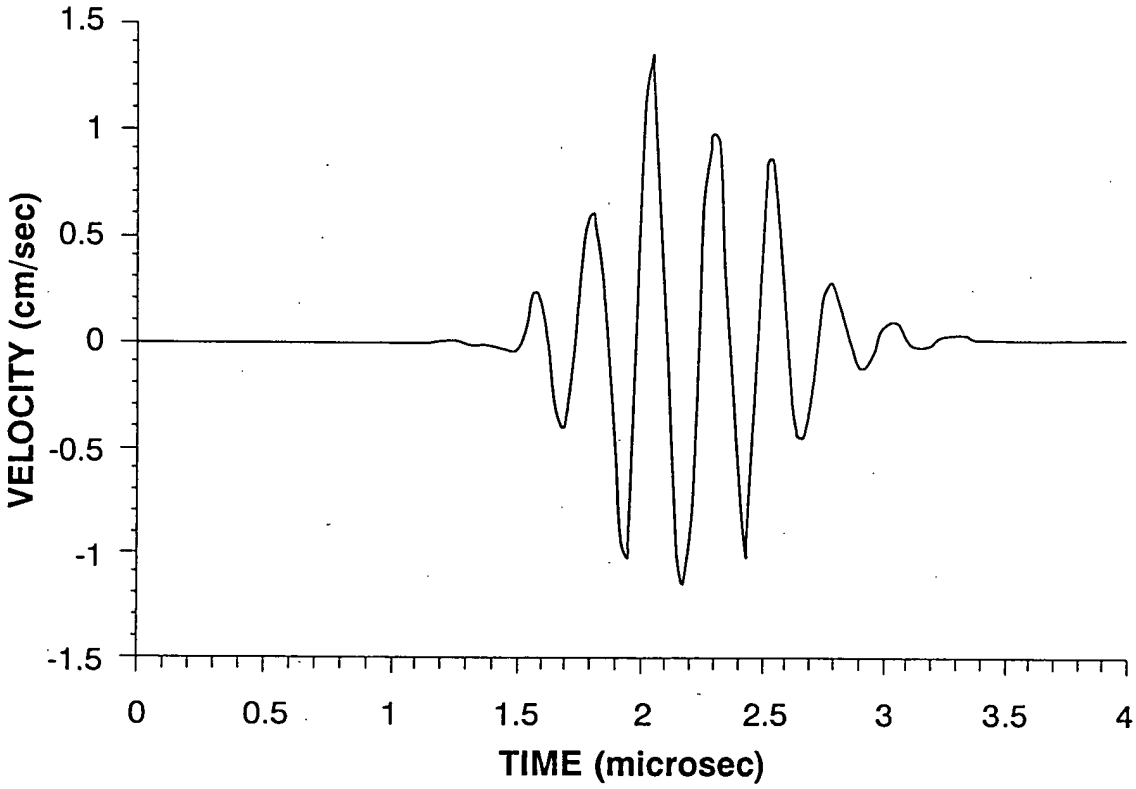

Figure 19c